The National

Future Farmer

Owned and Published by the Future Farmers of America

June-July, 1959

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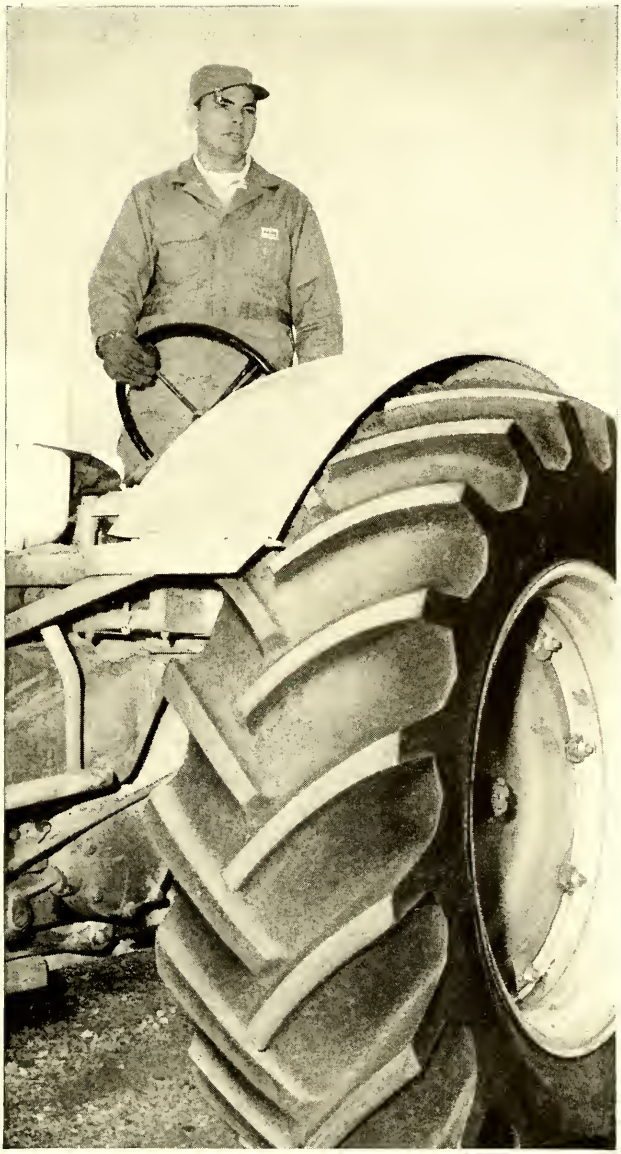

Farmers you look to as leaders look to Firestone for farm tires

It takes a good many "green thumbs" to turn even a small state into a garden from border to border. But farmers have done it in Delaware—and the way Joe Penuel handles his 1,000 acres in Sussex County is a good example how they go about it.

Mr. Penuel has won the 100-Bushel award for corn growing, the Lima Bean award for high yield and quality, and the Greener Pasture award for pasture improvement. He's been named the Outstanding Farmer of Delaware, and the Outstanding Farmer of Sussex County. He's vice-president and a director of the State Farm Bureau and a director of the County Farm Bureau. He knows farming.

That's why he sees to it that all his equipment rolls on Firestone tires. "Firestones wear longer and clean out far better than other makes," Mr. Penuel declares. "Why, I wouldn't accept a tractor or truck that didn't come on Firestones."

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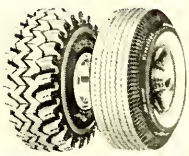

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OUR COVER—Photo by Harold L. Feite

Keeping tabs on livestock projects is a time-consumer for many Future Farmers. Here Judy Fritzler accompanies her brother Ronald and his Collie herd dog on a regular inspection tour of their Eaton, Colorado, pasture.

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CHANGE OF ADDRESS: Send both old and new addresses to Editorial Offices, THE NATIONAL FUTURE FARMER, Box 29, Alexandria, Virginia.

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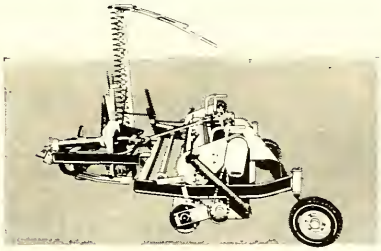
See your New Holland dealer soon, or write New Holland Machine Co. Division of Sperry Rand Corp., New Holland, Pa.



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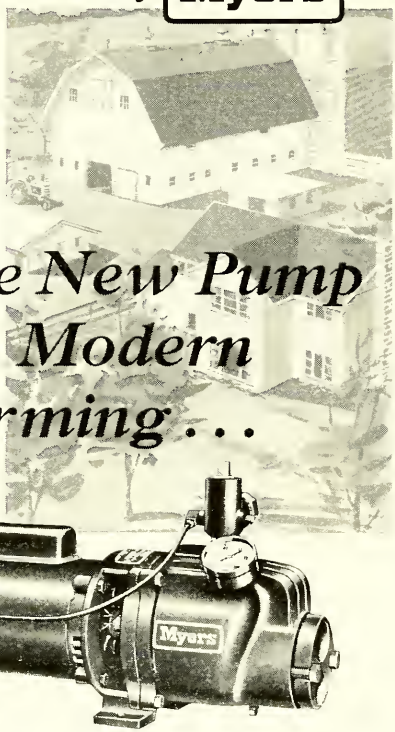

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ASHLAND, OHIO KITCHENER, ONTARIO

Your Editors Say . . .

Two important events coming up in July deserve the attention of every Future Farmer. One is FFA's first National Leadership Training Conference to be held in Washington, D. C., July 21-24. Another is the dedication of your new FFA Office Building on the afternoon of July 24, which will bring the Conference to a close.

The National Leadership Training Conference is slated as a "work" session with attending state officers taking part in panels, group discussions, and symposia. This meeting of minds will enable state officers to learn more about the FFA on a national level as well as provide a free flow of ideas between individual states and the national organization. The educational values of the Conference, however, will reach beyond the realm of the FFA. Specially planned tours will take these Future Farmers to many of Washington's scenic and historical attractions. And in the Capitol itself, the young leaders will see how laws are made when they observe the Congress in session.

The dedication of the new FFA Office Building will be a highlight of the conference. Jointly occupied by *The National FUTURE FARMER* and the Future Farmers Supply Service, the building is located in the Virginia countryside about nine miles south of Alexandria, on land that at one time was part of the original George Washington estate. The building's Colonial architecture blends well into the surrounding Mount Vernon area. Not only is this new building something every Future Farmer can point to with pride, but it also has provided essential facilities for the Magazine and Supply Service.

A complete coverage of the Conference and dedication will be featured in a later issue.

The Hall of Fame for Agriculture holds special interest for members of the FFA. For one thing, it honors agriculture—their chosen occupation. For another, it's located only a few minutes drive from Kansas City, Missouri, which will enable many Future Farmers to visit this national shrine while attending the National FFA Convention. And two men well known for their service to the FFA occupy key positions in the development of this important project. Dr. A. W. Tenney, former national executive secretary of the FFA, is the executive director of the Hall of Fame. Mr. Raymond Firestone, president of the Firestone Tire and Rubber Company, and former chairman of the FFA Foundation Sponsoring Committee, will head the fund-raising drive necessary to build the Agricultural Hall of Fame. See story on page 14.

Have you written us recently? We always look forward to receiving your letters of criticisms and suggestions. So, let us hear from you!

Wilson Carnes

Editor

PURINA VISITS **FARMERS OF TOMORROW**

Kathy and Jeff Blackburn showed two reserve grand champions at the Rossville Livestock Show, Champion and Reserve Champion Angus at the Clinton County Fair and Reserve Champion Hereford at the Indiana State Fair in 1958. The Hereford in the picture placed 13th at the National Livestock Exposition and, with two other calves from Clinton County, won the Grand Championship of the United States in the county group of three class.

Brother and sister prove ability in cattle raising

Among the young people looking ahead to careers in agriculture are Kathy and Jeff Blackburn, of Route 1, Frankfort, Indiana.

Jeff has been active in youth work for six years and Kathy is in her fourth year of participation. Their cattle, shown at Clinton County Fair, have won a reserve grand championship, two first-place ribbons, placed second three times, third three times, fourth twice, and fifth once.

Now a junior in Rossville High School, Jeff plans to go to Purdue and study agriculture. He will take a broad practical experience with him for he has raised Angus, Shorthorn and Hereford cattle and has worked with his father on the family grain-and-livestock farm.

Kathy, a freshman at Rossville High, plans to attend Purdue or Ball State and prepare for a teaching career. She, too, will have a fine background in practical farm living. In addition to her cattle projects, she has worked with clothing, food preparation and baking.

Purina congratulates these "Farmers of Tomorrow" on their success of the past and on their future plans.

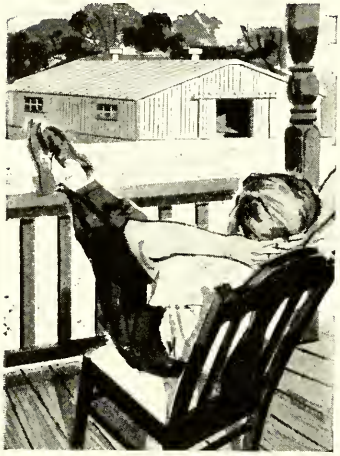
* * * *

Stephenson Grain Elevators, of Sedalia, Indiana, has served the Blackburn family farm for many years. Jeff and Kathy, who fit their show stock on Purina Chows, have received much help and encouragement from their Purina Dealer. There's a Purina Service Center near you, ready to help you with your feeding and management problems whether you're feeding stock for show or for market.

QUALITY SERVICE

FEED PURINA . . . YOU CAN DEPEND ON THE CHECKERBOARD

When someday a farm program is adopted that everyone likes...



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Baker, Montana

In the April-May issue of *The National FUTURE FARMER*, I saw several interesting booklets offered in your "Free for the Asking" column. Would you please send them to me here in Baker, Montana?

My favorite article in the issue was "Emperor of the Badlands" because I live only about 40 miles from Medora.

Jim Schouboe

Fargo, North Dakota

The April-May issue of *The National FUTURE FARMER* appeals to me as one of the best issues we have had. The eye-catching cover should give many chapters ideas for landscaping the grounds around their vocational agriculture buildings.

Of special interest to us in North Dakota was the article on page 14, "Contest Cues" by Bob E. Taylor. Our chapters are busy right now completing applications for awards which will be made during our state convention in June, thus the article was particularly timely.

Naturally, we were also interested in the article "Emperor of the Badlands," since the former "empire" of the Marquis de Mores is now one of this state's historic areas.

We are glad to note in the April Newsletter that the circulation of *The National FUTURE FARMER* is still growing. We appreciate what you and your staff are doing for our organization.

Ernest L. DeAlton
State Advisor

Temperance, Michigan

I just finished reading the April-May issue of *The National FUTURE FARMER*. I would like to commend you and your staff for this outstanding issue. It is certainly one of the best you have put out to date. There are many very good articles of interest to local members, and they should help our local chapters.

We Future Farmers are appreciative of the work you and your staff are doing for the FFA. Certainly the Magazine is playing a big part in making the FFA the success that it is.

Norman Brown
National Student Secretary, FFA

Salt Lake City, Utah

I have just attended both Idaho and Utah State Conventions. . . . I'll be visiting the Wyoming, California, Nevada, and New Mexico State Conventions soon. The real joy of being a National Officer is now coming to me in going out and visiting the different State Conventions. I enjoyed the Good Will Tour very much, also. . . .

Since seeing you last, I've become a married man. My wife is teaching school in Salt Lake City, Utah, where we've decided to live until May when her school term is completed. . . .

Bryan Hafen
National Vice President, FFA

Augusta, Georgia

I would like to subscribe to *The National FUTURE FARMER* Magazine. During my high school days, I was a member of the Future Farmers of America, but the Magazine wasn't in existence then. I didn't know such a Magazine was being published until I saw an old issue at a friend's house and I enjoyed it very much!

Ray Burroughs

Minneapolis, Minnesota

Just a note I couldn't help writing after getting the April-May issue of OUR Magazine!

I'm sure it was the most interesting issue I've ever seen—bar none! Take a bow—all of you. And one you deserve.

No wonder circulation went over a quarter million! After seeing this particular issue, I don't see how any self-respecting Future Farmer could resist subscribing!

I can't help but see four very full and wonderful years of my life every time I see an issue of *The National FUTURE FARMER*—and I know those who have gone on to other things feel the same way.

Keep up the good work, all of you. You're building something vital and stimulating for the Future Farmers of America. And you're building something you'll always think of and look to with a great deal of pride!

Bill Prince
Campbell-Mithun Advertising Agency
(Former Advertising Manager of The National FUTURE FARMER)

How to make your diploma pay off in Military Service

Published especially for high school graduates and seniors

Just off the presses! A valuable 48-page booklet titled *The Secret of Getting Ahead*. This free booklet explains all about the special Army opportunities open to high school graduates—shows you how to make your diploma pay off in military service!

Learn how you can choose technical schooling before enlistment

The Secret of Getting Ahead includes the complete Graduate Specialist story—all the facts about the Army educational program for high school graduates and seniors *only*. If you meet Graduate Specialist qualifications, you'll be able to choose technical schooling *before* enlistment. This booklet describes each of 107 Graduate Specialist courses—gives you details about up-to-the-minute training in Electronics, Atomic Weapons, Radar & Television Repair, Machine Accounting, Guided Missiles, Drafting and many more.

Do you know the answers to these important questions?

What are the qualifications for the Graduate Specialist Program? How can a high school senior gain by applying *before* and enlisting *after* graduation? Does Army schooling have civilian value? What are Army schools like? What is the "secret" that increases your chances for success when you make *any* decision? *The Secret of Getting Ahead* answers all these questions—and many others. What's more, the booklet contains vital information about Selective Service and Army Reserve—important facts every draft-eligible young man *should know*.

Here's the fastest way to get your free copy

To get your free copy of *The Secret of Getting Ahead* in the quickest possible way—stop by your local Army recruiting station. There's *no* obligation. No recruiting station in your area? Then use the coupon to order your free copy direct from Washington. It'll be mailed to you immediately—without obligation.

FF-6-59

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Washington 25, D. C.
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Please rush me a free copy of *The Secret of Getting Ahead*. (I'm a high school graduate or senior.)

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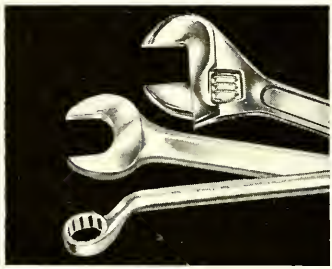
GOOD TOOLS keep GOOD EQUIPMENT RUNNING



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Looking Ahead

SPREADING FERTILIZER BY AIRPLANE

Fertilizer may soon be taking to wings over mountain pastures too steep to reach by ground spreader and flatlands too wet to enter. In recent North Carolina trials of aerial fertilizer application, 180 pounds of plant food were applied at a cost of only $3.75 per acre. An interesting point was the time required to apply the fertilizer—three minutes per acre. Sam Dobson, agronomy specialist at North Carolina State College reports good uniformity of application. The material must be applied on calm days to prevent drifting. Several problems will need to be solved before the practice can be generally adopted in his state, says Dobson. Adequate landing strips must be located near the fields to be treated in order to make quick loading possible. Planes which can remain highly maneuverable under heavy loads are another necessity.

NEW WEAPON AGAINST DESTRUCTIVE INSECTS

Living insecticides, one of the brightest new developments in modern agriculture, will soon be another ally of farmers in their continual battle against destructive insects. These live insecticides include bacteria viruses, protozoa, fungi, and nematodes. They are applied in the same manner as chemical insecticides. How do they work? By attacking insect pests, causing them to develop fatal diseases. Several examples of this pest control method include a bacteria against the Japanese beetle, a virus against the alfalfa caterpillar, and a fungus disease against the spotted alfalfa aphid.

PLASTIC FARM BUILDINGS

Agricultural Engineers at Michigan State University have conducted research which indicates that plastic material may find a new use in agriculture, such as framing for farm buildings. Frames made of plastic, reinforced with glass cloth have withstood all strains and stresses expected of a farm structure. The Michigan researchers say plastic has a lot of advantages over some other building materials in that it is rot-resistant, waterproof, hard and durable, has high strength in relation to its weight, and can be molded into a variety of shapes. Cost studies have not yet been made, but the engineers believe prices will be reasonable.

HAY CRUSHERS SAVE TIME AND MONEY

Investment in a hay crusher valued at $800 is estimated to add $130 annually to the purchaser's net income when as much as 30 acres of first cutting hay is harvested, says Dr. E. R. Hoglund of Michigan State. Farm management specialists in Michigan consider the dry matter preserved from an acre of alfalfa to be increased from 68 to 78 percent for hay crushed before baling. In addition to helping "beat the weather," crushing makes it much easier to put up more nutritious hay obtained by early cutting.

A FARM ECONOMIST LOOKS AHEAD

Only one million farmers will be needed "in coming years" to supply food for our nation, says Raymond H. Tremblay, agricultural economist at the University of Vermont. He points out that America now gets most of its farm products from two million of the 4.8 million farmers in business—and that "the two million figures may be halved in coming years." By 1972, he says the farmer will supply himself and 42 others, compared with 20 now and 10 in 1940. As the two million shrink, farm investment will go up—maybe as high as $500,000 per unit.

ORIENTATION PLANTING FOR CORN

The planting of corn with kernel points down and flat sides running with the row is the latest thing in corn production. USDA and Illinois Experiment Station scientists have shown that yields from corn in oriented plots were as much as 23 bushels per acre greater than yields from random planted plots. This method takes advantage of the natural growth habit of corn leaves. Each plant gets more moisture and sun, because the plant grows with leaves in fan-like formation across the row.

One man does two men's work with this tandem tractor!

Robert Martin farms 2,600 acres near Roanoke, Illinois. He has put together a real time and labor saver with the tandem tractor shown here.

Two 70-horsepower diesel tractors were hitched together. By eliminating the front wheels of both tractors, *more than twice* the power of one tractor is delivered. The tandem will pull six 16-inch plows at a speed of 5½ m.p.h. One man can plow 50 to 60 acres in a day with the tandem hookup, compared to 16 to 20 acres with one tractor and a conventional three-bottom plow.

Hydraulic power steering makes it easy to operate the equipment. Texaco's powerful Diesel Chief is the choice of progressive farmers from coast to coast, who use diesel equipment.

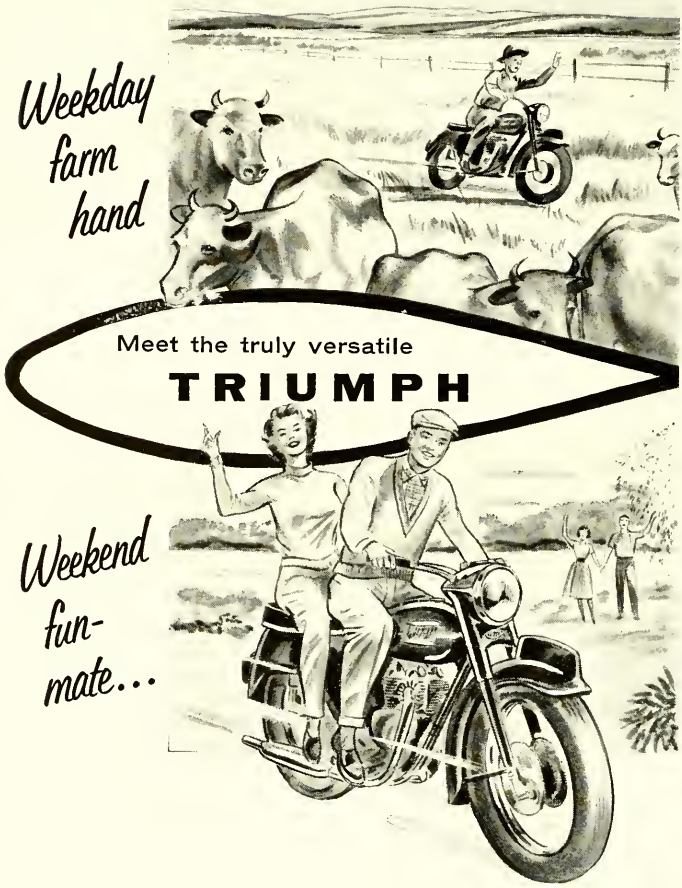
OUR FIRST CENTURY BURN IN FREEDOM WORKING FOR PROGRESS

Also a judge of good petroleum products

In addition to his official duties, Superior Court Judge N. L. Divoll, Jr., farms 600 acres near Rockingham, Vermont. It's a dairy farm, and also produces good Vermont maple syrup.

Judge Divoll (left) is supplied with Advanced Custom-Made Havoline Motor Oil and other Texaco products by Texaco Distributor Paul S. Cray. He prefers Havoline because it wear-proofs, and cleans truck, car and tractor engines — assuring longer engine life and top performance. He also likes the dependable, neighborly Texaco service, and agrees with farmers everywhere that *it pays to farm with Texaco products.*

BUY THE BEST...BUY TEXACO



Speed Twin Streamliner 5T/A
30.5 cu. in. (500 c.c.)

Rugged dependable Triumph is a *double* asset on the farm. Silent-running . . . easy to handle over any terrain, Triumph is particularly suited for hunting trips or for herding cattle.

Here's a cycle that is equally at home in the field or on the highway . . . a versatile performer that takes farm chores in stride, makes your after-work hours much more enjoyable.

Talk about economy! Triumph 4-cycle models range from 75 to over 100 m.p.g. And they're priced to fit your budget.

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No. 28—Shotgun Sports is a 24-pager with a real message for hunters and target shooters. It discusses shotgun practice, ammunition, and various hand-trap games. There's a brief history of trapshooting, along with an explanation of the year-round sport, skeet shooting. Finally, pointers on improving your shotgun handling. (Sporting Arms and Ammo. Mfg. Inst.)

No. 29—Concrete Mailbox Stands was designed as a Future Farmer project guide to beautify rural America. Here are complete plans for building a concrete-mounted mailbox stand, decorated with the letters "FFA" and a blue and gold paint job. Make money for your chapter by selling these stands. (Portland Cement Association)

No. 30—Future in Your Farm Background tells how to utilize the sales and merchandising potentials of your agricultural training. It's designed for those young farmers who, by necessity or desire, plan to leave the farm or become part-time farmers. If you have a flair for selling or public relations, don't miss this one. (National Sales Executives)

No. 31—Making Hay is your guide to an economical nourishing feed crop. Here are tips on when to cut hay, how to cure it properly, and how to harvest profitably. Several forage and ensilage tips can help cut feed bills and save work. Discusses silage preservation, loading, and feeding. A livestockman's must! (New Idea Farm Equipment Co.)

No. 32—Blueprint for Tomorrow is an excellent work on the subject of insurance. Here is an easy-to-read explanation of insurance in language you are sure to understand. Ever wonder about health and life insurance policies? We think this attractive book will answer most of your questions. (Institute of Life Insurance)

No. 33—Career Opportunities may be one of the most important books you'll ever read. In its 288 pages, you'll find a description of nearly any line of work imaginable. There's information on salaries, necessary training, and routine duties related to farming, engineering, banking, and about 30 other fields. If you're concerned about the future, order this. (New York Life Insurance Company)

Clip and Mail

28 29 30 31 32 33

Offer not good after September 20

ALL-NEW! **8½-foot McCormick® No. 91...**

Turns in its tracks to save more grain!

Now, steer with levers to save more grain in tight spots! Combine small or irregular fields faster than ever before! Lever-controlled IH planetary drive is the secret. You reverse one wheel, as the other rolls forward, to turn the new McCormick No. 91 self-propelled combine in its tracks. You pull both levers back for full reverse—without declutching or shifting gears! Even with row-crop attachment, the No. 91 needs less headland than a cultivator. But it's right at home in big grain fields.

The McCormick No. 91 gives you capacity to spare for heavy yields! Auger moves a steady stream of grain to the feeder which spreads straw across *full* width of 42-inch cylinder. This assures fast, clean threshing. Famous IH 3-point separation starts *instantly* at bar and wire grate concave. Exclusive opposed-action chaffer and shoe put more and cleaner grain in the tank. Rugged IH 40 hp engine holds steady speed in tough going. Attachments include a big-capacity corn unit that field-shells corn at low cost.

Try the amazing maneuverability of the new 8½-foot No. 91! Or if you need a larger self-propelled, your IH dealer has the leaders from 10 to 18-foot. See him for the great, 7-foot McCormick No. 76 pull-behind, too.

See your

INTERNATIONAL HARVESTER ***Dealer***

International Harvester Products ***pay for themselves in use***—Farm Tractors and Equipment...Twine...Commercial Wheel Tractors...Motor Trucks...Construction Equipment—General Office, Chicago 1, Illinois.

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Your advisor has received a copy of the 1958-59 official catalogue.

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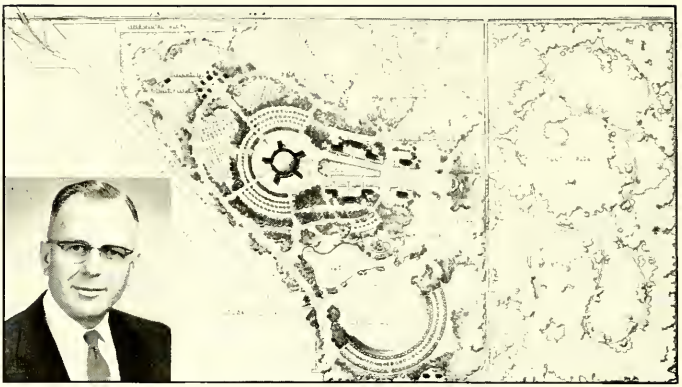


Artist's sketch shows proposed plans for the vast $5 million Agricultural Hall of Fame and new Director, Dr. A. W. Tenney, formerly FFA Executive Secretary.

Now An Agricultural

HALL OF FAME

By Charles R. Ocker

A HALL OF FAME for Agriculture will soon be a reality. This national shrine will tell the story of agriculture and honor those who have made outstanding contributions to farm progress.

Site of the new, but long-deserved, agricultural center is Bonner Springs, Kansas. FFA members will be glad to know this is just 15 miles from Kansas City, Missouri—home of the FFA Convention. Also, Dr. A. W. Tenney, former national FFA executive secretary, will head up the Hall of Fame as its executive director.

His many years of FFA experience will be put to good use in organizing and directing this vast project. The first objective will be a $5 million fund-raising campaign. Donations will be accepted from individuals, organizations, and business. Construction is currently scheduled to begin in 1960, after which a small admission charge will defray operating expenses.

Agriculture, our oldest and most basic industry, has needed such recognition for many years. But not until the 1957 annual meeting of the Consumers Cooperative Association in Kansas City, did President Howard Cowden reveal his idea for the Hall. He said the shrine should, "honor all who have helped make this nation great with contributions to the advancement of agriculture."

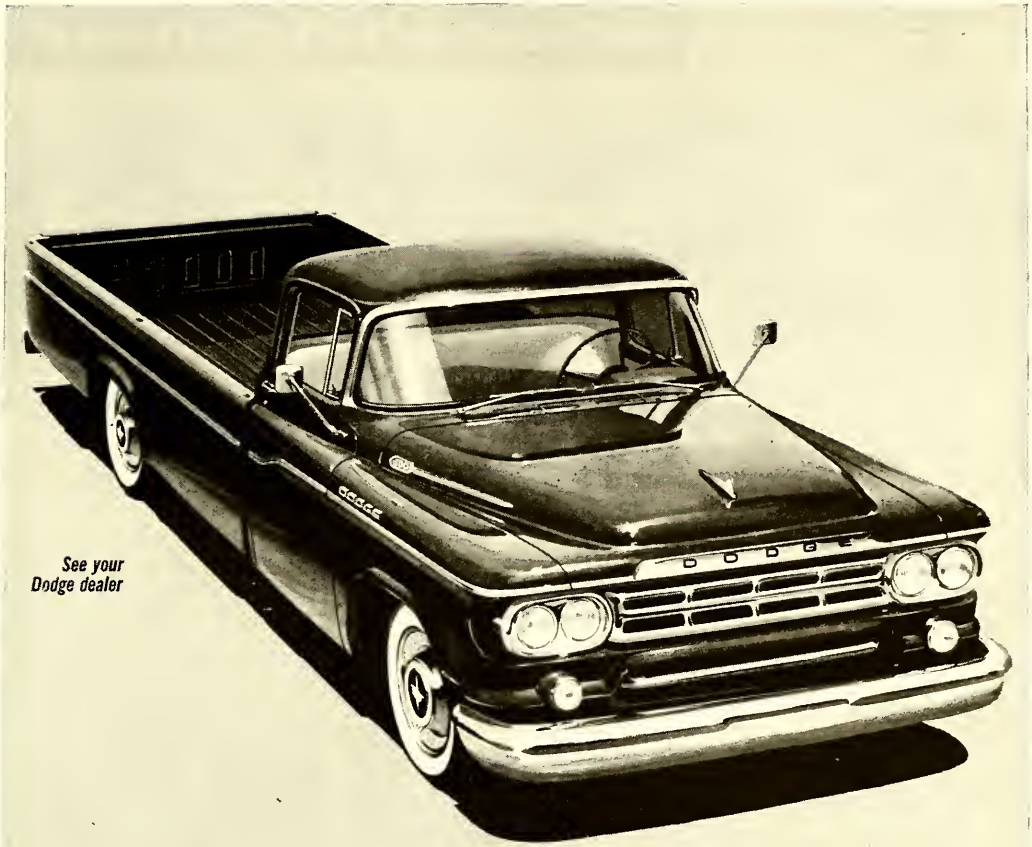
His ideas quickly gained a following of more than a hundred businessmen and agricultural leaders. A Board of Governors composed of farmers, clergymen, educators, public officials, and farm organization representatives was selected to administer the project. Some 50 communities vied for the location before the present 409-acre Kansas site was selected. Adjoined by 300 acres of rolling prairie land which is slated for park development, the Kansas Turnpike and U. S. 40 intersect nearby.

Dr. Tenney expects some 200,000 people to visit the grounds annually during the Hall's early years. As it becomes more widely known throughout the world, he predicts annual visitors will approach the million mark. Will it be worth your while to visit the Hall of Fame? From all indications the answer definitely will be "Yes!" Chapter groups or individual FFA members vacationing with their families will find a visit to this shrine of equal interest.

A few of the attractions to be featured include: a museum to tell the story of agriculture; a shrine for farmers who have served in Congress; a hall featuring individuals who have contributed much to agriculture; a historical agricultural library; a unit to acquaint children with farming; an early American village; an outdoor amphitheater for pageants and field days; an Indian village which will show agricultural practices and crops obtained from the Indians; an auditorium for meetings and agricultural movies; and an international shrine to honor farmers throughout the world.

Young and old, men and women, farm and city dwellers alike will find something of interest in the Agricultural Hall of Fame. Perhaps city visitors will leave with a new understanding of agriculture.

Farm families will undoubtedly walk away inspired by the rich history of their way of life as re-enacted in the Agricultural Hall of Fame.



See your Dodge dealer

DASHING '59 DODGE

MOST STYLE

And this Dodge SWEPTLINE'S bright new beauty has its practical side. That smart, smooth sweep from headlight to taillight makes possible more load space—the most in the low-price field!

MOST VALUE

The new Dodge SWEPTLINE is the truck that gives you the most of everything: Easy ride... extra load space... flashing power. Test-drive it soon! Test Dodge prices, too—they're often the lowest prices!

MOST PERFORMANCE

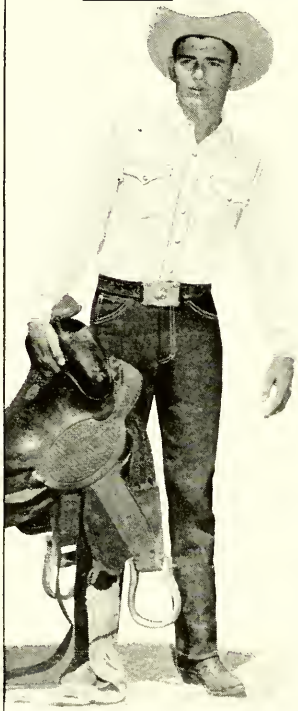
Up to 205 hp. (check that against other pick-ups in the low-price field) puts the zip in this eager V-8. Or choose the famous, dependable Dodge Six. Of course, both give full power on regular gas.

It's the truck with the most

POWER SPECIALISTS OF THE WORLD

DODGE TRUCKS

Top Hand
GUY WEEKS
Top Brand
Lee RIDERS



Guy Weeks and other Rodeo Champs give their clothes rough, tough wear. That's why they choose

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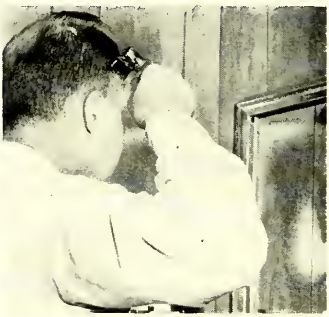
Riders
WESTERN COWBOY PANTS
Top Brand for
LONG WEAR!
GOOD LOOKS!
REAL COMFORT!
SANFORIZED — GUARANTEED
THE H. D. LEE COMPANY
KANSAS CITY, MISSOURI

something new

Auto alarm fits inside hood, setting off horn when anyone tampers with car. Stops automatically. Fits 6 or 12-volt systems. Gregory Sales Company, 316 Marion Building, Cleveland 13, Ohio.

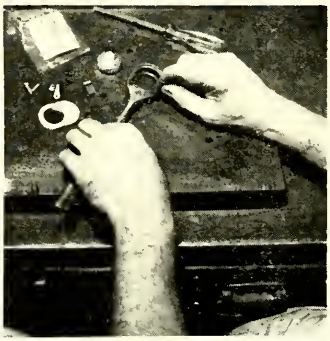
Varmint and big game rifle is made for southpaw hunters. This left-hand model comes in .243, .270, .308, and .30/06 calibers. Full details from the Savage Arms Co., Chicopee Falls, Mass.

Elevator and conveyor with accessories allows one man to handle all size bales with minimum effort. Assembles from 4′ and 8′ sections to any length. Portable Elevator, Bloomington, Illinois.



Manufacturer says this safetrim comb fits any double-edge razor and will adjust to any hair-cutting or shaving operation. Information from Haircut Club, Box 905, Escondido, California.

Kylon introduces matching touch-up colors for farm implements in handy aerosol spray dispensers. Colors for most major equipment brands. Norristown, Pa. at Ford and Washington Sts.



Repair kits are available for 1/4″, 3/8″, and 1/2″ drive ratchets. Contains wheel plug, dogs, lever, cam, springs, cover plate, screws, and directions. Proto Tools, 416 W. 8th St., Los Angeles 14.

TAKE TO THE HILLS *in the car that handles 'em all! This Chevy wagon's a natural for getting you out to the game. It's got a new 6 that can knock 10% off your gas costs . . . room to pack a whole half ton of gear . . . and a ride that puts paving on back country roads!*

The Nomad—one of five Chevy wagons for '59.

CHEVROLET—

The car that leads your kind of life!

Maybe you used to think it was a long road, that stretch between town and your place. But it isn't any more. Not since this '59 Chevrolet came along.

It's true, of course, that Chevy handles city traffic as effortlessly as country roads. That a load of fishing gear rides as smoothly as a hundred-pound sack of feed. But you've got to be seeing billowing fields of grain through that sweeping windshield before you really feel the surging eagerness of a Chevrolet engine, V8 or 6. You've got to skim over roads carved out of wilderness before you can sense the smoothness of Chevy's ride, the comfort of this Nomad's full foam cushioned seats.

CHEVROLET

And you've got to stop for a skittering rabbit before you recognize all the safety in Chevrolet's bigger brakes.

The fine part of it all is that every model shares in Chevrolet's remarkable fitness for your kind of life. Sedans, sport models, wagons—each has its own way of helping you enjoy your country more. Visit your Chevrolet dealer soon and look his line over! . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

Richard's foundation breeding herd—10 registered Brahmans.

Today's breeding stock—Charolais X Brahman crossbreds.

Richard Made

$15,000 From Crossbreds

A 14-YEAR-OLD PIONEER? Sounds like a TV Western or a tall tale from Alaska, doesn't it? Still, that description fits Richard Mets when he began FFA work at Holtville, California. It was September, 1952, and 14-year-old Richard was already a five-year veteran in the cattle business.

Which breed? Well, that's getting ahead of the story. Richard and his father have pioneered the development of a beef breed suited to California's Imperial Valley.

Mets and Advisor Ed Van Dam keep a close eye on performance test records.

Weighing in at 850 pounds, this bull has just reached the nine-month mark.

Why a special cattle breed? "This is a special place," young Richard explains. "Although we have an abundant supply of irrigated alfalfa land, we also have to cope with severe summers and such cattle afflictions as pinkeye and troublesome insects.

"Not every cattle breed will return maximum profits per dollar invested under such conditions," he points out. "We felt like 'something special' was needed.

"Eventually, we decided on Charbrays, a breed developed in Texas by crossing the Charolais of France and the Brahman. We knew the Charolais was reputed to produce both fast gainers and large animals. And Brahmans are famous for their heat and insect resistance. Charbrays sounded like the answer."

But the Metses ran into more trouble. Charbrays were expensive. Prohibitively expensive for young Richard. Although his father started working toward a Charbray herd immediately, Richard had to postpone his entry.

But his time came. When high school age rolled around, he had enough capital to buy 10 head of registered Brahmans. "Since I couldn't afford to buy any 'ready-made' Charbrays, I decided to develop my own herd."

That called for skilled crossbreeding. A tall order even for such an ambitious Green Hand! But Richard's father was willing to help. "By pasturing my cattle with Dad's, I was able to take advantage of his know-how. It was tough, but I agreed to pay for his services and pasture with every bull calf my herd produced," Richard relates.

A true Charbray is 13/16 Charolais and 3/16 Brahman, with a 1/16 tolerance either way. Attaining this exact hybrid ratio requires patience, skill, and time. The first step in Richard's plan was to breed his stock to Mr. Mets' prize Charbray bull, "Blockbuster," a huge specimen tipping the scales at 2,460 pounds.

With his father's help and the advice of his vo-ag teacher, Edward Van Dam, Richard managed to cull the poor stock, increase the Charolais blood percentage, and establish his own registered stock brand, the *R Lazy M*.

Eager to learn, Richard worked at every odd farm job available and went out of his way to learn the finer points of beef breeding. His agreement continued until 1955. Then, he started paying cash for his pasture land, keeping or selling his calf crop as he pleased. But other things began to change, too. Herd size and quality, for example.

The young "pioneer" now has 70 head of fine crossbreds. "I'm completely sold on Charbrays now," he adds. "Many of our weaner steers weigh 700 pounds at eight months. Four months in the feed lot will often boost their weight to the 1,000-pound mark. Next year, we expect that to be a herd average.

"I like the vigorous, fast-growing Charbrays because we get efficient gains, top weights, and have no trouble with pinkeye, cancer eye, insects, or hot weather."

Richard Mets has a right to be proud of his accomplishments. He watched a dream struggle for expression, slowly take form, and assume enough reality to produce $15,000 in labor income during a stellar FFA career.

Now at the University of California, Richard plans on another year of studying before returning to his Charbrays. By then his herd will be large enough to demand most of his time and energies. But he's planning on using his college training to make jobs easier and profits higher. ◆◆◆

BRONCO BUSTER

MINNESOTA FFA President, Johnny Skogberg, says it's easier to control delegates representing 12,000 Future Farmers than to tame a single wild rodeo bronc.

And he ought to know! Johnny's done both with considerable success. Leadership duties have been commonplace during his travels on the banquet and convention circuit. His skill at state meetings has drawn praise from officials in all corners of agriculture.

"As state president, I've certainly had my share of valuable training," Johnny admits; "but my biggest thrills—and spills—have resulted from a very different phase of youth activity."

Last year the tall, lanky youth was named "All-around Cowboy" at the Minnesota High School Rodeo held in Granite Falls. He placed first in the bulldogging event and second in both bareback and saddle bronc riding. The versatile young cowhand also participated in the bull riding and roping events.

Johnny's prizes at the State Rodeo included a $250 saddle, a $25 silver buckle, and two pairs of spurs. "But the biggest reward came from participation in a true American sport," he says. "I wonder how many people know that rodeoing was among the first sports formed in this country and that it's still the number one spectator sport attraction."

Johnny's fine showing in the state events won an invitation to the National High School Rodeo at Sulphur, Louisiana, where he drew a fierce Brangus in the bull riding event.

"That critter had quite a reputation. No one was able to ride the full eight seconds during the preliminaries. And I didn't do it in the finals either, although I placed sixth in the national competition," Johnny wryly recalls.

But Johnny dismissed that one with the old Western saying—*There ain't a horse that can't be rode, and there ain't a man who can't be throwed.*

"Not very good grammar," he admits, "but real down-to-earth advice for anyone."

In the bareback bronc event, the Minnesota Prexy rode all his animals for the full time limit. But, unfortunately, he drew some rather sluggish broncs which didn't give him a chance to display his full talent and pile up an impressive point total. But it was still an unforgettable experience.

"I ran into more Future Farmers at the national rodeo," Johnny adds; "in fact the 7,000-capacity arena was constructed by the Sulphur FFA Chapter, whose advisor, John Vallot, is president of the High School Rodeo Association."

"Rodeoing is an exciting and satisfying sport," declares the Sacred Heart High School honor graduate, "and I would encourage any interested young man to start training early.

"It's necessary to be in good physical condition at all times. You'll help avoid serious injuries by keeping in shape just as in football, baseball, or any other physical contest.

"Every participant should always 'ride by the rules.' Rodeo regulations are strict, but once you master them, they become second nature. After all, the rules are made for the good of all—participants, animals, and spectators.

"Finally, always ride or compete with your mind on one thing—winning. But if you lose—and most people do at one time or another—be a good sport about it. Rodeo is a fine, clean sport. It's impossible to 'fix' an event. Broncs and bulls don't favor contestants, they do their bucking and 'sunfishing' whenever they feel like it."

Johnny is now enrolled at the University of Minnesota's College of Agriculture. But his interest in the Future Farmer organization and the fine sport of rodeoing will doubtless follow him throughout his college career.

State President Skogberg placed sixth in bull riding at the National High School Rodeo in Sulpher, Louisiana.

John also placed second in state bronc riding, won coveted title "All Around Cowboy."

BUSINESS FARMER

Nothing is haphazard about this Star Farmer's set-up.

Accurate records, time-budgeting, and a keen eye for a profitable

business deal has netted $30,000 including his own farm.

A GOOD many big-time investors might do well to take a few real estate tips from James Speer, North Atlantic Star Farmer, from Blairs Mills, Pennsylvania.

Two years after his graduation from high school, this 21-year-old dairyman borrowed $17,200 to buy a neighbor's 350-acre stock farm complete with buildings and equipment. A little painting, mechanical, grooming, and veterinary work soon readied all animals and machinery for a public auction which netted over $10,500.

That left young Speer holding a farm valued by tax assessors at $15,000—fully equipped with serviceable buildings. And his total investment after applying the sale earnings on his bank loan was less than $7,000.

But why did he sell everything except land and buildings? That's all he wanted or needed! The rest of the transaction was just smart business on the part of the former state FFA president and Pennsylvania Star Farmer. He was already half owner of the Speer family farm and equipment. Vocational agriculture had helped him start building a purebred Holstein herd several years earlier.

And that farm cinched it! Ever since the transaction in January, 1957, Speer has been destined for agricultural success. He got it last year with the Star Farmer title of his FFA region along with an award check for $500 from the Future Farmers of America Foundation, Incorporated.

Speer traces his FFA career back to 1951, when he passed up nearby Orbisonia High School to enroll at Juniata Joint, 37 miles away, in order to take vocational agriculture. Two dairy cows and one calf started his project program with a smash, producing $770 in labor income.

Labor income increased by some $150 during his sophomore year and he placed first in the Pennsylvania state project contest for farm records. His fine dairy record system also copped a third place award.

Priming for his state farmer degree, Speer carried three dairy cows, two heifers, and one calf during the next year, along with two gilts. Labor income topped $1,500. But that was just a prelude to his senior year when he posted a $2,500 figure in that column along with two first-place record-keeping awards.

Then the leadership call came loud and clear to James Speer. Having served as local and area FFA president, member of the National Honor Society, and officer of his Sunday School, Speer was well-qualified to serve Pennsylvania as state president in 1956-'57. He appeared on 50 banquet programs during his state officer tenure and also won a gold emblem in the State's public speaking competition.

Once out of high school, Speer concentrated on enlarging his farming program. Labor income went from $4,300 in 1956 up to $6,300 in 1957. His grand total stood at $16,350 last year when he was named Star Farmer. At that time, he carried 18 head of dairy cows as his main project. Others

included seven young dairy animals, 72 head of swine, and 100 acres of feed crops.

Last December 28, Speer married high school sweetheart, Henrietta Dunn. Recently graduated from Shippensburg State Teachers College, she plans to teach high school subjects for a few years in order to finance remodeling of their large, two-story farm house.

Dairyman Speer has over $6,800 worth of Holsteins. His herd average for 1957 was 12,900 pounds of milk and 496 pounds of butterfat per cow. As a member of several farm organizations and herd improvement plans, Speer plans to keep right on improving this mark. With nearly $2,900 worth of machinery and a net worth of almost $30,000, Mr. and Mrs. James Speer will bear watching! Without doubt, they represent one of today's most progressive young farm families.

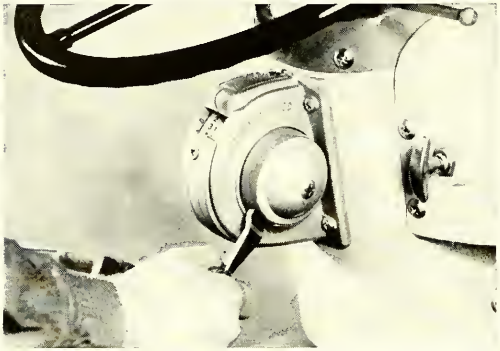
One reason for Speer's success in the dairy business in his strict observance of proper milking procedure. Here, he checks adjustment.

Speer began raising Hampshires in 1953, and grossed over $1,200 from them in two years. Prize animals like these are common in his herd.

Speer and his father share labor and machinery cost of corn planting as shown here. Both believe in a rigid money management plan.

future farmer's showcase

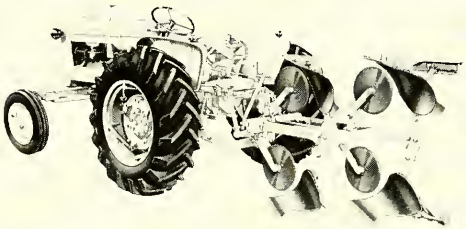
THEY'RE NEW . . .



This one lever controls Ford's new Select-O-Speed tractor transmission. Gear ratio changes are made without stopping or using a clutch pedal. Ten forward speeds, two reverse, a neutral, and park. Also has separate pto lever.

Massey-Ferguson's Model 85 offers eight forward and two reverse speeds in a high clearance tractor. Power steering is standard with this 60-horsepower machine which introduces the Ferguson system to large acreage operations.

. . . EASY TO OPERATE . . .



New spring-operated spinning device on Allis Chalmers' 60 Series plow makes it easy to change from left to right-hand bottoms with tractor seat lever. It's free swinging and free floating. Automatically locks in work position.

New John Deere potato digger attachment makes for fast, low-cost clearing of stones from cropland. Designed for the Model 31 picker, it operates about six inches deep, and clears a 65-inch strip of eight-inch diameter stones.

. . . MORE ECONOMICAL

International Harvester's new four and five-bottom, fast hitch moldboard plow with full-castering transport wheel is designed exclusively for Farmall 460 and 560 tractors. Billed as McCormick 512, it has complete maneuverability.

The J. I. Case Model 281 side delivery rake handles full eight-foot, four-inch swath at five to eight miles per hour. Finger-tip control regulates tooth height, and an acute angle design shortens hay travel to save leaves.

HOW TO FIELD A GROUND BALL

By Raymond Schuessler

Shift weight slightly forward on each pitch. You should be on the balls of your feet and ready to move in any necessary direction. Always be alert. Position is an all-important factor in the art of fielding. Study it well.

CATCHING a ground ball," says Phil Rizzuto, "whether slow or fast, is a matter of position; your position before the ball is hit and the position you assume in catching the ball."

The correct position is a crouch, with knees slightly bent, weight on the balls of your feet, arms away from the body, head up, and eyes on the ball. This is the best possible position to move quickly and efficiently after the ball.

When the ball is hit, move in front wherever it may be. Field a ball in front of you with both hands every time you can, for it will mean less chance of fumbling and more time in which to throw.

Try to pick a big bounce to catch. But never, never back up to get a bounce unless the ball is hit like a cannon ball about six feet in front of you.

"Field the ball in front where you can see it and not under your feet where you can't see it hit into your glove," says Gil McDougald; and he's right.

In short, don't go down for the ball —but rather, bring your hands down quickly so you can *come up* for the ball. This technique made a good infielder out of Al Rosen one year, who had the habit of going down too late and fielding the ball directly under his legs.

Keep your elbows and hands away from your body; this allows more freedom to play the ball.

"And play the ball, don't let it play you," says Al Dark. This means always move in on the ball and take the bounce you want. If you stand still, you won't have a chance and may be forced to take the ball between bounces—always a hard play. So be alert—move quickly as soon as the ball is hit.

If you have to move to your right or left, use a cross over step to gain a quicker start. In practice, see how quickly you can get started after a ball. When the ball is hit, move in the direction it is going even if it is hit to the other side of the diamond or into the stands. This habit will develop quick reflexes in your body, a vital asset to an infielder.

On every play, decide what you will do with the ball if it is hit to you. Don't do what I did one time as a rookie—throw to second base for a double play when there was no one on first!

Don't field on the run! Spread the feet as ball nears, with left foot forward. Keep body low, knees bent, back straight, and eyes on the ball. Sometimes a slow hit can be handled on the run. But it takes practice.

Catch ball in front of you, never under your legs. Try for a good bounce, but if it hugs the ground, let it roll in, and cover quickly. With every hit, your first reaction should be to get hands well forward.

Hard-hit balls to your right can be nasty. Get in front if you can, jam right foot in ground for fast throw. Sometimes a one-hand stab is needed.

If you just CAN'T get in front of a ball, don't panic. If it's to the left, check pace fast, shift weight to right foot, pivot, and throw.

Paul Makes BROILERS PAY

Paul's handy farm office is really a corner in the family living room, but it's sufficient for his record keeping.

Here Paul checks quality of hay in the family dairy barn. His seven Holsteins form one fourth their herd.

By Joe Dan Boyd

SNAP DECISIONS are taboo for Paul Twining, Jr. In fact, that's the secret of his success in the poultry business.

The young Washington High School graduate has spent a lot of time studying poultry, and is now firmly entrenched in broiler raising at Princess Anne, Maryland. He intends to stay there, too! "College would be nice," he says, "but my place is on the farm."

That brand of self-assurance doesn't come easily. Seventeen-year-old Paul is no "in-and-out" poultryman. Nor is his business a fly-by-night youthful whim. He put a lot of thought, careful planning, and borrowed money into his chosen profession.

"And he's doing very well at it," admits Advisor H. H. Anderson. "For his age, he's one of the best managers I know."

Paul tells it this way: "I started raising chickens as a hobby along with

Paul scoops out old house litter and adds fresh replacement between each flock of broilers. It cuts his losses.

These hanging feeders are easy to fill. Since they can be adjusted to bird's size, waste is also reduced.

my mother years ago. In high school I decided it would be a paying proposition if handled properly.

"During my sophomore year, I decided to visit as many houses as practical in my area. I saw plenty of good ones and some bad ones. But it was a valuable trip. It enabled me to decide just what sort of broiler house is best for Maryland conditions."

But Paul's plans drew little enthusiasm. "No one encouraged me to go into the broiler industry on a large scale," he recalls. "The poultry business was low then, lots of people were getting out.

"But that seemed like a good time to get in. Eventually my folks were convinced. My dad and brother helped me obtain a loan of $2,500 at six percent interest to finance a 32x160-foot 'dream house'."

Paul insisted on plenty of window space, three wire pen divisions, flourescent lights, and drop boards at front and rear of his broiler house. Hanging feeders, automatic waterers, and stackless oil hovers were other "musts" for his operation.

"I like oil burners because they seem to give more heat than gas and are less expensive than electricity," he points out. "Hanging feeders offer more floor space, less waste, and more convenience than most other models.

"Flourescent lighting is economical," he adds, "and the drop boards are

handy for ventilation in hot, summer months. They're also useful for changing litter between flocks."

No Chances

Paul is a stickler for feed economy and sanitation. He debeaks and vaccinates for Newcastle disease at one week. Debeaked chicks waste very little feed! A Newcastle spraying comes during the third week, and again at five weeks if needed. During winter months, Paul vaccinates his broilers for bronchitis at one week as an additional precaution.

"Feed is my biggest operating expense," he says, "By the time a flock is nine weeks old, I'm feeding about 18 100-pound sacks a day to my 5,500 Vantress X Arbor Acre birds. I have 20 feeders and 24 feet of watering space per thousand broilers."

Paul has tried two methods of production. He's been both an independent producer and a contract operator. He's currently under contract with a local firm. Last year, he made $2,500 under the system while attending high school.

"But I like to be my own boss. My contract officials are fine people, but I like to make all my decisions alone. There's a certain satisfaction in solving your own problems."

Few Losses

Paul says he can make money either way over the long haul, but feels the contract method is much safer. And it's getting the preferred treatment now. He pulled one group through an entire nine weeks without a single mortality loss last year. They went to market at 3.8 pounds, with a conversion ratio of 2.2 pounds of meat per pound of feed. Good business for any poultryman!

Paul lives with his parents on a 175-acre farm. His 34-year-old brother lives nearby and shares in the family dairy operation of which Paul owns one-fourth. He built his seven-head Holstein herd from a single animal acquired as a seventh grader.

The Twinings raise about 60 acres of soybeans and 35 acres of corn each year along with other feed crops and pasture. "We try to be as self-sufficient as possible with the dairy," he says.

"I like the poultry business," Paul declares, "and I think I know the ropes well enough to make a go of it."

He should! Paul paid off his entire loan with five broiler flocks. He made money as a high school student and served as a state FFA Vice President at the same time. For the past seven years he has placed high in the "Chicken of Tomorrow Contest."

Paul Twining, Jr. knows the broiler business. He's just waiting 'til his operating capital is sufficient to justify fully independent operation.

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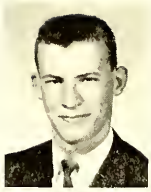


farm handyman

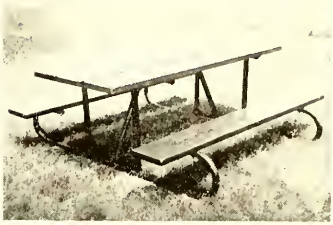
KANSAS State Farmer Curtis Gardner has been working in farm shops since the age of six. That's when he first learned to use his father's arc welder.

But his "formal education" in farm craftsmanship came as a member of the Clay Center FFA Chapter at Miltonvale. In vocational agriculture, Curtis learned new tricks of the farm-shop trade and welcomed opportunities to participate in special projects.

His first shop award came as a freshman and was that of "outstanding mechanic" in his chapter, a title he was destined to hold throughout his high school career.

"During my sophomore year, I made an 18-foot pipe feed bunk and an adjustable loading chute," Curtis says. "I had good luck with both. So I got more ambitious the next year."

Curtis had his eye on the chapter's $700 drill press and decided to make one of his own. The project was completed during his senior year, with cash spent only for the motor, belts, chuck, switch box, set screws, bearings, and bolts. Ingenuity and skill are the main components of the sleek $500 model shown at lower right.



Curtis and his father built 142 picnic tables like this for the Kansas Highway Department.

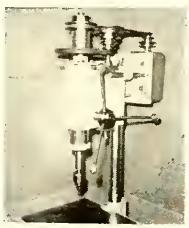
Curtis helped plan and build this barn, panel fence, and machine shed on the home farm site.

The old and the new! At left is the Gardner's first farm shop which Curtis used as a Green Hand. His interest in mechanics prompted him to help build the 32 x 26-foot shop at right.

"Farm shop work brought on two highlights of my life," Curtis explains. "The main one was the Kansas FFA Farm Mechanics title. The other was a job offer from a local manufacturing firm. I took the part-time job for extra cash, working only during rainy seasons and when work was slow on the farm."

Eighteen-year-old Curtis has his hobby and vocation all in one place—the farm shop. Miltonvale farmers show a lot of respect for this young man's ability.

Curtis bought only a few new parts for his homemade drill.



NEW FAST-STEPPER FOR EVERY CROP

New MH 72 for medium-size farms has Massey-Harris big combine features and bigger capacity than any other in its price class!

Now you operators of medium-size farms can have all the advantages that have made the big Massey-Harris 82 and 92 self-propelled combines famous all over the world!

Now you can get them in the new Massey-Harris 72 . . . the advanced-engineered, field-tested self-propelled combine that is designed and priced for *your* kind of operation.

With its exclusive Massey-Harris balanced separation and straight-through, full-width body design, the new MH 72 gets *all* the crop and gets it *fast* . . . whether it's grass seeds, grains, beans or corn. Its acre-eating capacity beats anything in its price class!

The new MH 72 has the famous Massey-Harris low silhouette, too, for a low, safer center of gravity, greater field-to-field mobility, maneuverability, and easier gate clearance and storage. It's so low and sleek, it makes other combines look top-heavy. See the new MH 72 . . . it's *the* self-propelled for medium-size farms! New, improved corn head available.

New! MH 72 pull-type combine. This practical, hard-working machine offers many Massey-Harris big combine features at low cost for medium-size farms. Available with grain table, pick-up attachment, and bean kits, PTO or engine drive. . . . For family-size farms, see the new MH 35 pull-type combine and the famous MH 50 Clipper.

Lowest priced self-propelled on the market! The all-new MH 35 with grain table or corn head is engineered from the ground up to do the fastest, most efficient combining job in any crop on family-size farms. And it's priced so that every farmer can afford the advantages of self-propelled combining! It's unique . . . see it at your dealer's!

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Massey-Ferguson Inc., Racine, Wisconsin

Pace-Setter of Modern Farming . . . World's Most Famous Combines and the Only Tractors with the Ferguson System

There's a Massey-Ferguson Dealer near you . . . He'll show you the big, complete Massey-Harris combine line and tell you about the liberal Massey-Ferguson Time Payment Plans. There's one just suited to your farm income pattern.

Taking time out from a busy schedule, the officers find time here to visit the original Plymouth Rock memorial.

Guided by Supt. J. R. Brooks of L. G. Balfour Company, the officers see official FFA jewelry "in the making."

Popular TV singer Rosemary Clooney is a willing listener to a mighty happy national officer. He's Bryan Hafen.

FFA Foundation receives a check from American Oil Co.! John Kasch hands it to FFA Secretary Norman Brown and National Advisor, William T. Spanton.

TOURING with your NATIONAL OFFICERS

EVERY YEAR, the National FFA Officers rub shoulders with the nation's top businessmen on an annual "Good Will Tour."

For the first time, this year's five-week jaunt included major portions of the New England area. Bunker Hill, Plymouth Rock, and the site of Paul Revere's ride provided thrilling historical sights for the young men.

The business side of their agenda included appointments with several businessmen and attendance at selected agricultural meetings. And in every phase of the tour, these six officers were representing each of the FFA's 377,000 members.

Truly "good will ambassadors," your national officers have often been labeled top salesmen of the FFA. Why? Here's one reason! On this tour, each of the 20-year-old ambassadors used equal aplomb to chat conversationally with presidents of multi-million dollar corporations; discuss modern agriculture with highly-trained research scientists; and exchange humorous quips with nationally-known TV performers.

That's saying a lot for the popular notion of "country boys." But part of their mission is to convey a true impression of today's farm youth and link Future Farmer principles with those of industry.

Accompanied by National Executive Secretary Wm. Paul Gray and various other members of the National Office, this 1959 tour ranged from the Atlantic Coast, deep into the Midwest, including some 25 towns and cities. On the road every day from February 2 through March 6, each hour was full of speeches, receptions, visits, or informal talks.

When it comes to representing the FFA on a grand scale and telling the FFA story to the business world, it's hard to top the ability of the six youths who head the organization.

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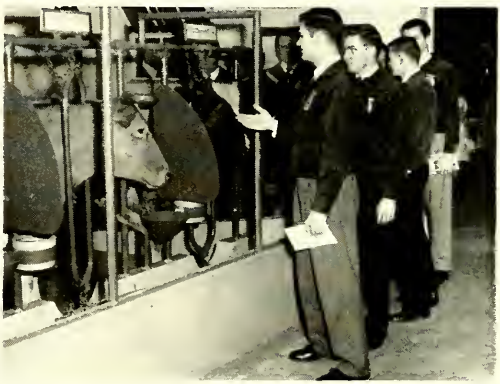
In Chicago, Charles B. Schumann, president of the American Farm Bureau Federation, discusses farm news with the officers.

A change of pace came at the Chicago Museum of Science and Industry as officers watched these "mechanical cows."

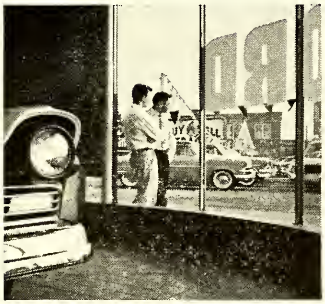


THE SCIENCE OF CARS

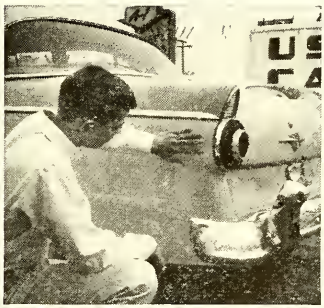
AL ESPER, FORD'S CHIEF TEST DRIVER, TELLS YOU—

How to buy a used car

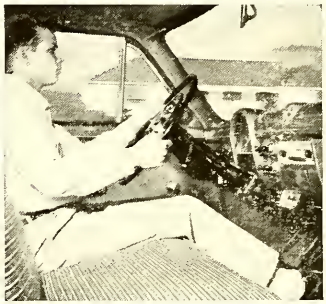
"In 24 years as a test driver and engineer for Ford Motor Company I've driven just about every make of car on the road today. My experience has given me a lot of information which I think will help you if you're looking for a used car. Keep in mind that the automobile you buy will have a personality all its own. It's up to you to discover as many of its characteristics as you can before you put out your hard-earned cash."



KNOW THE SELLER. Your best guarantee is an unwritten one—the seller's reputation! That's why it's always best to buy from an established new-car dealer's used car lot.



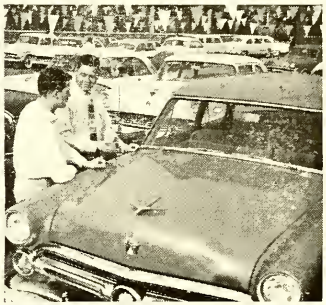
CHECK THE FINISH. Look for paint repairs indicating possibility of an accident which may have caused unseen damage to car. Ask for an explanation of any spot paint repairs.



TEST-DRIVE IT. Go far enough to warm up the engine fully. Listen for unusual knocks and noises. Check steering wheel play, clutch action, braking, instrument panel, lights.

THE REAR VIEW. A friend driving behind you can watch for twisted frame, wobbly wheels or smoking exhaust. Have him check whether the car's tail- and brake-lights work, too.

RE-TIRING TIME NEAR? If the tires are badly worn you might just as well add the cost of new tires to the car's price. And uneven wear may indicate faulty wheel alignment.



LOOKS TELL A LOT. Minor points like rust, worn upholstery, sagging seat springs point to a neglected car. If the doors won't close tightly, the car may have been in an accident.

"Be a little bit hard-headed about buying your car. You can afford to since it's probably the biggest investment you've ever made. You want a safe car because you'll be driving it. You want a sound car because your money will go into maintaining it. Once you've decided, remember you are taking on what may well be your first major responsibility . . . drive carefully!"

FORD MOTOR COMPANY, THE AMERICAN ROAD, DEARBORN, MICHIGAN

FORD • THUNDERBIRD • EDSEL • MERCURY • LINCOLN • CONTINENTAL MARK IV

Mary Jane helps Dwayne with records, correspondence, and other paper work.

Dwayne won this dairy calf as first prize in an Illinois judging contest.

Here's foundation stock for the Zipse herd of prize Jerseys and Holsteins.

Quite a hand at farm chores, Mary Jane is especially fond of sheep.

The Farmer Takes a Wife

OLD TIMERS used to say, "Farmers can get started in one of three ways—inheritance, hard work, or by marrying the right girl."

Dwayne Zipse of Mt. Morris, Illinois, may some day become the first Future Farmer to enter the profession by all three doors. Any of his neighbors can already testify to Zipse's love of productive work. It even helped him to win an American Farmer Degree last year. And Mrs. Zipse, a former high school classmate, modestly feels that her husband's marital choice was a sound one.

With good reason, too! "We were married a few months after graduation and my 'dowry' was a 13-head herd of registered Jerseys and a flock of Suffolk sheep," she admits. "And I'm a fair hand at any farm chore you care to mention."

Pert and pretty Mary Jane also came highly recommended by Mt. Morris Advisor, Melvin Burkhalter. "She and Dwayne will make a good team," he says. "Mary could have been an American Farmer herself if girls were eligible for FFA membership.

"Matter of fact, she WAS a vo-ag student under me. Good one, too! She completed all the shop work, welding assignments, and paper work the boys were required to do. Caught on right fast. In regular competition for positions, she landed slots on four judging teams. And, incidentally, Mary was the outstanding agriculture student during her senior year.

"Somewhere along the way, she was voted chapter sweetheart," Burkhalter recollects. "I expect Dwayne would have found it pretty hard to locate a better wife. It isn't every day you find a cute girl like Mary who knows the farm business better than most men."

Currently the young Zipse family is renting 240 acres of farmland and occasionally team with the elder Mr. Zipse for additional crop acreage. Last year Dwayne and Mary pitched in for a 10 percent share of 179 acres of corn, 105 acres of oats, 156 acres of hay, and 46 acres of rotational pasture.

But their 40 dairy animals; Suffolk sheep flock; and supplementary beef, swine, and poultry projects are owned outright. Dairy and feed production have provided most of Dwayne's $8,100 labor income as a Future Farmer member.

Most of the Zipse's assets are invested. They have nearly $18,000 worth of animals and poultry; over $5,000 worth of machinery and equipment; with a net worth approaching the $23,000 mark.

"But their future is extremely bright," vows Burkhalter. "Their background will always stand them in good stead. Mary started vo-ag with a Suffolk ewe and one registered Jersey. Dwayne began with only 180 chickens, three beef animals, and one Holstein dairy heifer. And look at them now."

"I've had some pretty good luck in my FFA career," Dwayne admits. "For instance, my labor income for the first four years was $120, $635, $3,517, and $3,388, respectively. But I'm the first to give Mary Jane her rightful due. She's been a big help.

"Her classified Jersey herd has been on the HIR program all along, and we now have them on DHIA, too, along with the Holsteins. She handled most of my correspondence while I was a sectional FFA officer. Her 'feminine touch' came in handy for decorating at our leadership training sessions and FFA banquets."

Sometimes Mary Jane is asked to explain her keen interest in agriculture. "The answer is simple," she says. "I was born on the farm and just never lost interest in it. Farm life has so much to offer, I couldn't contain my love for it if I wanted to.

"I have two sisters who each have taken vocational agriculture and two more who plan to enroll later. Kinda' runs in the family, I suppose. Besides, it's nice to have common interests with your husband."

"Some of my biggest thrills came with winning the chapter's showmanship award at a local dairy show and placing in the top ten individuals at two judging contests. Of course, my main interests are now in the home. I still help Dwayne with the dairy chores and other miscellaneous work, but most of my efforts now are directed toward being a good wife."

Dwayne Zipse is undeniably a hard worker! Without question, he has married the right girl. But inheritance—third choice for a farming stake—hasn't entered his agricultural program.

Dwayne's father, at 47, is still a long way from retirement age. But the elder Mr. Zipse will doubtless call on his son's enthusiasm and ability from time to time. And Dwayne will probably assume gradually more and more of the family farm's responsibility.

"Right now we're both pretty happy with the present situation," Mr. Zipse says. "But it's nice to know I have a capable son who can take the reins one of these days."

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Cattle bloom alone doesn't make the PROFIT

It's the spread between costs and receipts that counts when you're fattening beef. No matter how good cattle look when they're sold, high costs can take the profit out of the pocketbook.

Good pasture puts the extra profit margin back into feeding beef cattle. Savings in feed costs more than offset any selling price difference between pasture-fed beef and the cattle fed on dry lot.

Three feeding methods pointed out this fact in Nebraska tests. Look what the averages from three years of feeding show:

	Av. Total Corn Fed Per Head, Bu.	Av. Dressing %	Av. Selling Price Per Cwt.	Av. Daily Gain Lbs.	Av. Selling Weight Lbs. Per Head	Highest Profit, Rank
Dry Lot	49.6	60.2	$32.25	2.28	1067	3
Pasture Full Feed Grain	48.5	60.5	31.58	2.24	1058	2
Pasture Half Feed Grain	36.4	59.4	31.33	2.28	1044	1

Note that differences in dressing percentage, rate of gain and selling weight were hardly significant.

Although the average selling price of the dry lot cattle was higher, extra costs actually made them less profitable to feed.

The cattle full fed on pasture consumed no silage and less supplement than drylot cattle. This saving more than offset the selling price difference.

Profits from the cattle half fed on pasture were even greater. Reduced corn consumption more than paid for the spread in selling prices. Silage and supplement savings were added profit.

Don't forget fringe costs, either. The expenses of making and storing silage and hauling manure reduced dry lot profits still more.

Net return comes only when you subtract *all* the expenses. That's why we've prepared a book which shows you how livestock can be produced more cheaply on pasture. *Pasture—How to Reduce Feed Costs* discusses methods of improving pastures. Seeding methods and forage combinations are described. New ways to stretch the pasture season are covered. You'll find a wealth of information you can use for reference, class topics, discussion groups and talks. And the book is based on nationwide research results so it's authoritative. Send for your free copy today.

The new Keystone 4-Star Farmer movie is available for Future Farmer and Adult Farmer meetings.

Keystone Steel & Wire Company
Peoria 7, Illinois

Please send my free copy of the new book, Pasture—How to Reduce Feed Costs.

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RED BRAND® fence

costs less to own...

Because it lasts longer than ordinary galvanized fence, Red Brand[1] is cheaper to own. Red Brand costs no more to buy, but its exclusive Galvannealed[2] process insures rust resistance for years more life. You save in fence replacement costs. Red Brand is easy to put up. It stretches straight and true and stays tight without restretching. Especially if you erect it with sturdy Red Top[3] Steel Posts. And use Red Brand Barbed Wire to top off the perfect fence combination.

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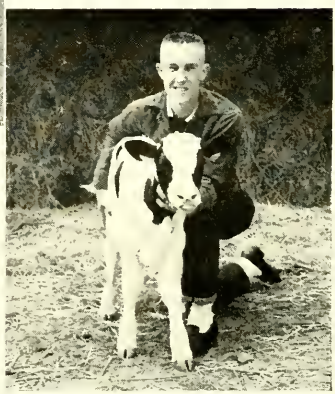
photo roundup

TV singer Red Foley chats with National President Adin Hester just before they appeared on his network show, "Jubilee USA" as part of a special salute to FFA.

J. D. Harris, right, paid $41 per pound for Bruce Anderson's turkey tom champion. Bear River, Utah, Advisor Rex Jensen stands at left.

Two chapter sweethearts at Rockmart, Georgia! FFA Sweetheart is Elaine Coates, also FHA President. Alvin Barnette, FFA Secretary, was named sweetheart of the local FHA group.

Future Farmers at Olivia, Minnesota, got an aerial view of their farms in a recent soils class by Advisor R. Tersteeg. Flying Farmer Oscar Draheim, local resident, was the pilot.



Jerry Truelove, a Future Farmer from Blue Ridge, Texas, recently became the 25,000th junior member of the Holstein Assn.

Beef Champion Showman honors went to Jim Ledford, exhibiting his registered Hereford heifer. Calf Manna is fed for several months before Fair time.

Hewitt Smith exhibited the Grand Champion Jersey female in the open division. She was raised from a calf on Calf Manna.

Colton Boys win again

8 CHAMPIONS–ALL BREEDS
4 STRAIGHT SWEEPSTAKES
1 FITTING FEED FOR ALL!

Calf Manna

Albers Calf Manna, as 15% to 25% of your good fitting ration, will make your prospective champion really "SPREAD AND GO." Whether you're an "old hand" with a long record of wins, or a beginner, it's results that count – and you can count on Calf Manna. Calf Manna gives your cattle the bloom and finish that holds the judges' eye.

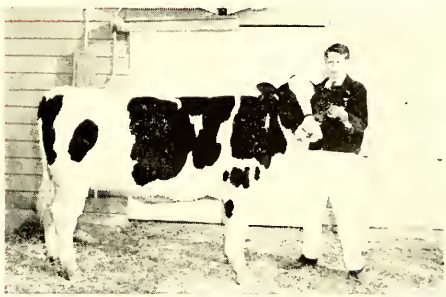
HERE'S PROOF... For the fourth straight year, these Colton, California, Boys were awarded the sweepstakes trophy and cash at the Riverside County Fair for exhibiting the most animals, having the best displays, and capturing the most individual championships–8 last year–all breeds. All animals were Calf Manna-fed, and have been every year since this club started hitting the winner's circle five years ago.

You can match champion ribbons with these progressive young farmers. Use Calf Manna as 15% to 25% of your fitting ration. There's a Calf Manna-Suckle dealer near you with a 24-page book titled "Raising Better Livestock," or write for it:

ALBERS MILLING COMPANY *A DIVISION OF CARNATION CO.*
1016 Central Street, Kansas City 5, Missouri

Ellis Jacobs exhibited the Grand Champion Duroc Boar. His five sows, eight gilts and boar are all Calf Manna-fitted.

Champion Ram Lamb was exhibited by Louis Pill. Ernie Lopez holds the ram. Louis feeds all his fat lambs Calf Manna.



Grand Champion Dairy Cow, exhibited by Warren Bailey, helped win the sweepstakes for Colton. She was raised on Calf Manna.

Stan Sampson, Bill Barlow and Gary Estes, l. to r., exhibiting their prime Hereford feeder steers – all Calf Manna-fitted.

PRACTICE HITTER

A practice sensation, Fred struck out in the real games. Crowds and grandstands rattled him!

By Ross H. Davis

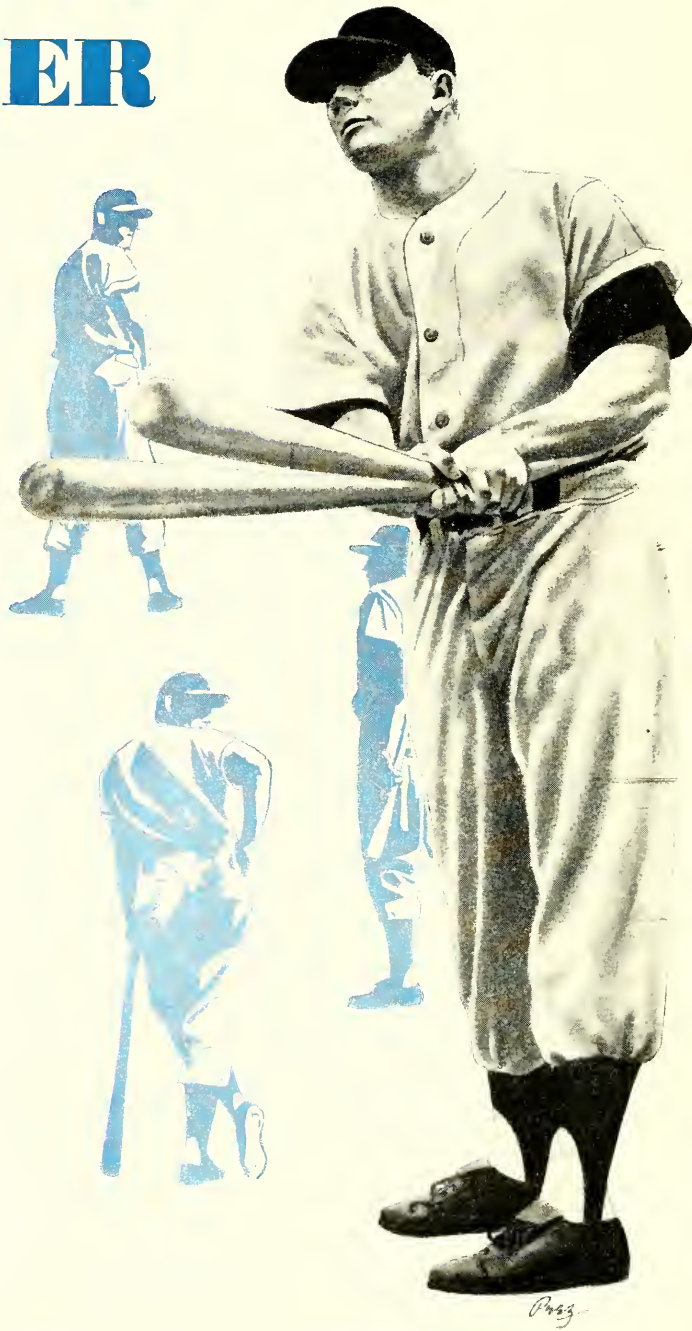
WATCHING the perspiring, red-faced pitcher wind up, Fred Harris grinned, for he could almost guess where the ball would pass over the plate. Suddenly, it came—a fast sizzling one, and he was ready for it. The bat connected so solidly with the ball, it made Fred's hands tingle to their very finger tips. His grin widened as he watched the ball soar far out toward left field. The pitcher, Les Burton, eyed it, too; then turning, he looked in desperation from Fred to Coach Dalby, sitting on the bench. The coach's face, Fred noticed, was wreathed in a smile.

"It's useless, Coach!" Les shouted. "He hits everything I send at him. I can't seem to get anything past him. It's almost as though he reads my mind!"

"Great!" Coach Dalby beamed as he left the bench and strode onto the field. "That's great hitting, Harris. We can use you, all right." Nodding, Fred dropped the bat and wiped his face with the back of his sleeve. "And if I'm right," the coach added, "Newville High will really have a team this year that'll be hard to beat."

"Yeah," growled Les Burton, his pride still smarting, evidently, from the way Fred had connected with everything he'd put across the plate, "I'm just glad you'll be on our team. If I had to pitch against you, I think I'd give up pitching."

On his way back to the locker-room and showers, Fred's frame of mind was a happy one. It wasn't every day that one made the team—especially on the first tryout. And now, he reminded himself, all the sandlot games and the backyard batting practice he'd readied himself for all these past months, was really showing results. A place on the high school team! Fred could scarcely



Despite all the warm-up exercise, Fred still seemed tense and excited.

This TEAMED-POWER

Cuts...Shells...Shreds...Saves 15% More Corn

It's fantastic—absolutely amazing! That's what farmers are saying about Oliver's revolutionary row-crop header for self-propelled combines. No other row-crop harvester does so much—cuts, shells, shreds the stalks, and saves up to 15% of your crop in average years. That's really *practical* TEAMED-POWER.

IT'S A CAPACITY COMBINE with muscles to thresh your whole crop. No snapping rolls are needed —nothing to crush ears and waste grain. All the forage is shredded and spread over the ground. Corn borers are either crushed or die of winter exposure. At the same time, your land is mulched and protected from soil erosion.

ONE HARVESTER brings in all your grain crops —with a cutter bar or pickup for small grain and beans...with row-crop header for corn and sorghum. One machinery investment does all these important jobs—SAVES expense. SAVES time, SAVES storage space. And the switch from one crop to the other is a job you can do in two or three hours.

Where else can you find a combination like this? Nowhere but at your Oliver dealer's—this is Oliver's TEAMED-POWER! "Pay-as-You-Produce" financing available.

THE OLIVER CORPORATION
400 W. Madison St., Chicago 6, Illinois

See Your ***OLIVER DEALER*** and See

CAMP AND CONFERENCE DIRECTORS

FOR THE PEAK OF PROTECTION —CONSULT US.

MEDICAL EXPENSE

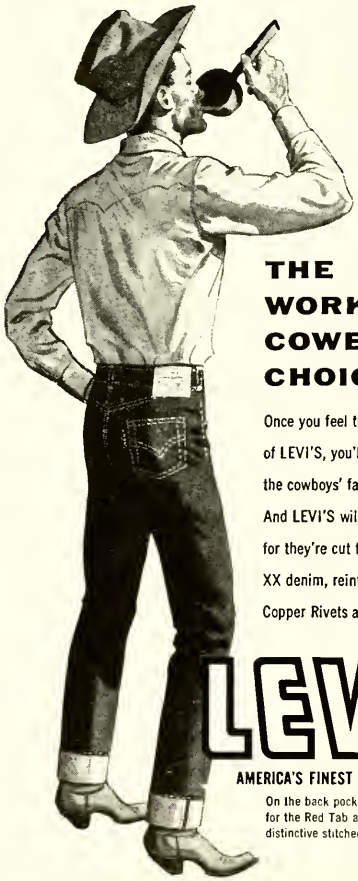
ILLNESS AND ACCIDENT Coverage

OUR CLAIM SERVICE IS DESIGNED FOR YOUR GROUP.

BROTHERHOOD MUTUAL LIFE INSURANCE COMPANY

230 E. BERRY STREET FORT WAYNE 2, INDIANA

Get LEVI'S—the original blue jeans—worn in the West since 1850.



THE WORKING COWBOYS' CHOICE!

Once you feel the trim, comfortable fit of LEVI'S, you'll know why they've been the cowboys' favorite since 1850.

And LEVI'S will give you extra wear, too—for they're cut from super-tough XX denim, reinforced with Copper Rivets at all strain points!

LEVI'S®

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On the back pocket, look for the Red Tab and this distinctive stitched design!

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keep his enthusiasm from revealing itself in a perpetual grin. In fact, several minutes later, just a trace of this grin must have shown, for Les Burton, noticing it, said:

"Quite pleased with yourself, aren't you, Harris?" Fred glanced at the pitcher's frowning countenance, and then continuing to lace up a shoe, he merely shrugged. Les went on, "Well, don't get swell-headed. Just try to remember Newville High's team is just that—a team."

Turning, Les left the locker room. Fred's gaze lingered on the door he'd just gone out. For just a second, his enthusiasm was dampened by the other's words, and a frown started to form. Then, abruptly, he shrugged again, and rising to his feet, he slipped into his jacket. "Don't let Les Burton get you down," he told himself, and then he fell to thinking. After all, it hadn't helped Burton's ego too much, he reasoned, when he'd hit every one Burton had tossed, almost as though the pitcher had been a rank beginner instead of one of Newville High's ace hurlers. His grin returned. Les would get over it.

Fred could scarcely wait until the first scheduled game of the season came up on the calendar. The opener was with Bailey High from a neighboring town. From the conversation of the other players and remembering the previous season's results, Fred knew that Bailey offered no real threat to Newville High. In fact, as several of the fellows had laughingly said, "This one will be just another practice game for us, fellows. That'll be about all it'll amount to!"

Finally, at long last, the day of the opening game arrived. And with it, Fred's excitement seemed to increase. It might, he told himself, be no more than mere practice for the others, but to him, it was his first real game! For the first time, he'd be playing on a real team: under the colors of his own school. No sandlot game this! This

Continued on page 42

"I wish people who use the expression 'chicken feed' could see these blasted chicken feed bills!"

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Travelall® has more loadspace than any "wagon," more room for eight.

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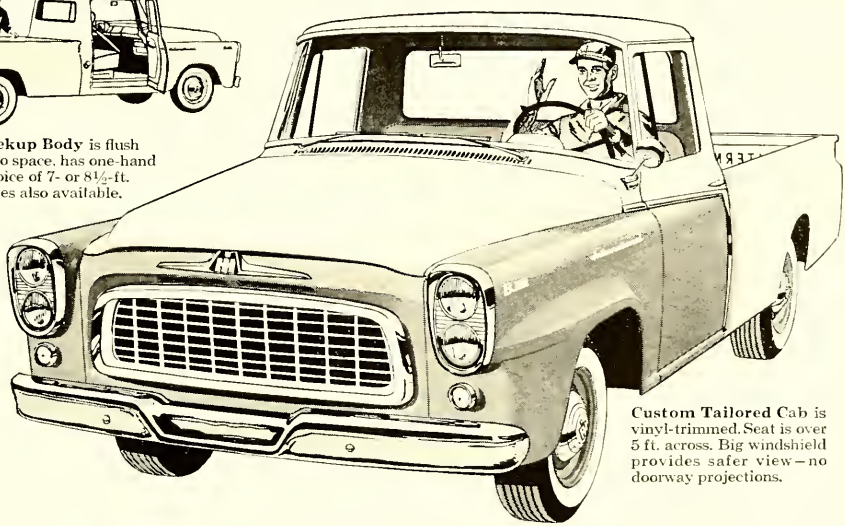

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INTERNATIONAL® TRUCKS
WORLD'S MOST COMPLETE LINE

The versatile ⅜-inch electric drill powers large auger bits and drills in virtually any type of material.

Photos: Thor Research Center

By William Gorman
Research Engineer

Setting Up Shop

A farm shop is a sizeable investment. You can start equipping now, gradually and sensibly. This handy guide shows you how.

PROBABLY no investment of time and money is more rewarding to the young Future Farmer than a well-planned, properly-equipped workshop.

That's why an early start in equipping and learning to use a workshop can pay handsome dividends for the Future Farmer when he gets into full-fledged farm operation.

A beginning workshop will vary with the amount an individual can invest in tools and equipment, of course, but a good basic plan should include as many of the following hand and power tools as possible:

Hand tools—Coping, crosscut, and rip saws; 2 sizes of Phillips screwdrivers and a variety of 4 to 12-inch-long screwdrivers; a set of combination open-end and box wrenches, ¼ to 1 inch in size; combination 6 and 8-inch pliers; wire cutter pliers; claw, tack, and conventional 3-pound ball peen hammers; various width wood chisels and files; jack and block planes; level and T-square.

Portable electric tools—Bench grinder, ⅜-inch drill, sander, and circular-blade saw.

In selecting these portable power tools, here are a few things to remember:

The bench grinder, invaluable for sharpening chisels, drills, and planes, should have eye shields and an adjustable tool rest. Select a ⅜-inch drill with sufficient power to work in wood, steel, masonry, concrete, or marble.

For easy handling, choose an electric sander weighing about 5 pounds, with a 4½ by 5⅛-inch sanding area. Sanding sheets and a lambswool bonnet will convert it to a polisher.

A major "workhorse" of your shop will be the portable electric circular-blade saw, and it should be selected with an eye toward large jobs. A 7-inch blade diameter will cut 2 x 4's at a 45-degree angle. Look for a saw with enough power to zip through all types of material, along with such features as safety slip clutch, adjustable sighting guide, retractable blade guard, safety switch, and protractor for angle cuts.

There are other portable electric tools you'll want to add as the scope of your workshop activities expands. Such tools as a ½-inch reversible electric drill with drill stand, portable saber or jig saw with companion jig table, impact wrench, hand grinder, and even a sheet metal nibbler have their definite values for the farm shop. Here are some things to keep in mind in shopping for these tools:

The ½-inch drill, for working up to ½ inch in steel and 1 inch in wood, is easier to back out of holes if you get one with the reversible feature—and it will be adaptable to more working positions if it has an adjustable rear handle and removable top handle in addition to main handle. Used with an inexpensive drill stand, this same tool becomes a drill press for accurate boring in 4 x 4's and other large lumber.

The portable saber or jig saw should be able to start its own hole; cut curves circles, and scrolls; and work almost any kind of material, including 2 x 4's. A small extra investment in a jig table converts the portable saw to a stationary jig.

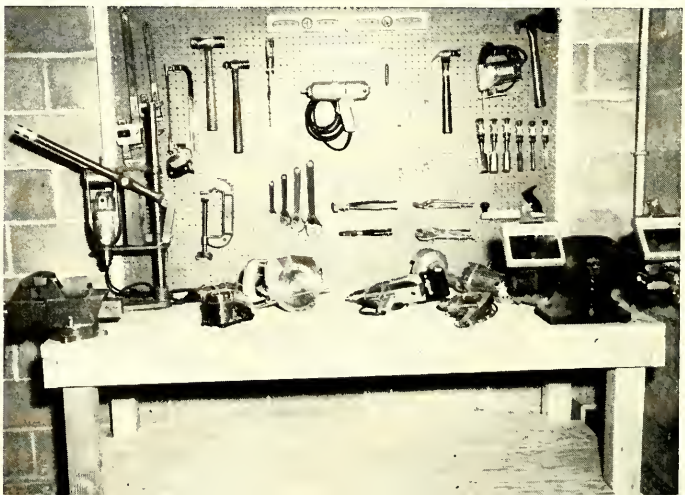
An impact wrench will enable you to remove rusted nuts and bolts, remove and replace screws, and to do other rugged tasks on machinery and buildings. A special wrench has been developed that also can be used with hole saw, auger bit, grinder, polisher, wire brush, and several other accessories.

The hand grinder and nibbler are more specialized equipment for working on equipment and sheet metal.

As your shop continues to grow, you eventually may want to invest in large stationary electric tools such as tilting arbor table saw, radial arm saw, drill press, lathe, jointer, shaper, arc welder or air compressor. And if your farm doesn't have one, a valuable addition is a portable electric generator—at least 2.5 KW—for standby power and to make your portable electric tools a mobile shop usable on any section of the farm for work on fences, buildings, and equipment.

Where do you put your beginning

Here's a collection of both basic and supplementary tools a Future Farmer can use. Start small, add tools regularly, and your shop will soon pay for itself.



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See the TRACTION SURE-GRIP with "Torque Control" on the very latest farm tractors—or call your nearest Goodyear dealer. Goodyear, Farm Tire Dept., Akron 16, Ohio.

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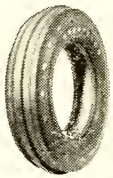

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farm shop—and what about a workbench? Most likely locations are a corner of the garage or machinery shed. You'll need a wall area long enough to accommodate at least a 6-foot-long bench with work space at one end. The workbench itself is a good do-it-yourself project.

Maple flooring makes a durable extra top covering for the bench if you want to go to the expense or have some around from a recent farmhouse remodeling. Make the bench 34 to 36 inches high, 6 to 8 feet long depending upon available wall space, and 34⅞ inches on top (the width of three finished 2 x 12's), including 2-inch overhang in front. Later you can enclose the bench from top to shelf for a cabinet and add more shelves, if you wish.

Meanwhile, hand-tool storage can be obtained with a large section of ¼-inch perforated hardboard mounted on the wall above the bench—and power tools can be stored in their carrying cases on the bench shelf.

You'll want two 115-volt electrical outlets, one on the wall just above the bench-top at each end, with three-prong design to accept the safety-grounded plugs utilized on most portable electric tools. For illumination, install a light over each end of the bench, separate from the tool-operating circuits. Locate your bench near a window for natural illumination.

"So what, Shortie!"

Other equipment you'll need includes a metalworking vise, and a woodworking vise, mounted at opposite ends of the workbench by drilling through the bench top and bolting the vises to the top. When you add a ½-inch portable electric drill, you'll want to mount a drill stand behind the vise at the open end of your bench or build a small separate bench, about 2 feet square, for the stand.

Your beginning workshop can mean much in your future for you'll be able and ready to save on maintenance, repair, and construction of equipment and buildings as you enter your own farm operations. Then you'll find out what many farmers already have learned: Your workshop soon will more than pay for itself! ◆◆◆

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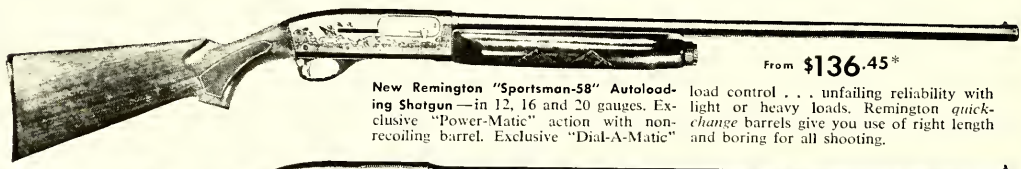
Today's most wanted shotguns are REMINGTON



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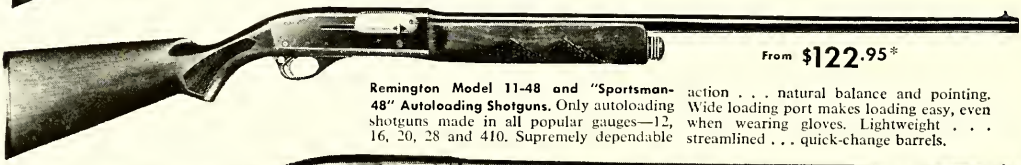
New Remington "Sportsman-58" Autoloading Shotgun—in 12, 16 and 20 gauges. Exclusive "Power-Matic" action with non-recoiling barrel. Exclusive "Dial-A-Matic" load control . . . unfailing reliability with light or heavy loads. Remington *quick-change* barrels give you use of right length and boring for all shooting.



From $122.95*

Remington Model 11-48 and "Sportsman-48" Autoloading Shotguns. Only autoloading shotguns made in all popular gauges—12, 16, 20, 28 and 410. Supremely dependable action . . . natural balance and pointing. Wide loading port makes loading easy, even when wearing gloves. Lightweight . . . streamlined . . . quick-change barrels.

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Remington "Wingmaster" Model 870 Pump-Action Shotgun — The *only* pump-action shotgun with *quick-change barrels*. Exclusive breech-block locking mechanism means less wear, constant headspace. Exclusive enclosed double action bars for positive operation. Independent product test rates Remington Model 870 best of all pump-action shotguns.

"Sportsman," "Wingmaster," Power-Matic," are Reg. U. S. Pat. Off. by Remington Arms Company, Inc., Bridgeport 2, Conn.

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We count our chicks before they're hatched!

What is the per cent of hatchability of the eggs in each tray that goes into the incubator? Some eggs are infertile, some embryos die. The MoorMan Research Department is constantly working on feeds to supply the necessary vitamins, minerals, proteins and antibiotics that will increase the hatchability of eggs.

It's a 21-day cycle from a fresh egg to a fresh chick. The researchers select and mark experimental eggs from test flocks on the MoorMan Research Farm, and then carefully follow them through the incubation period. At the end of 18 days, the eggs are removed from the incubator and candled. Here, they count their chicks before they're hatched. Unproductive eggs are removed and carefully noted. Productive eggs are put in a hatcher where they will remain for three days. The vigorous chicks that result then start their new life enjoying the many advantages of MoorMan's Chick Mintrate.*

Many of these chicks go back into MoorMan test flocks because this is a continuing study. Purpose—to find the best combination of nutrients and the best management procedures for producing high quality hatching eggs.

A sharp pencil and accurate records are important tools of the researcher. They help to tell him the results. They help show him the way to improvement. These same tools are important on the farm. They help you "count your chicks before they hatch" because you can better plan your program and your profits.

MoorMan's*

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—a business dedicated to helping farmers make better and more profitable use of the feeds they raise themselves

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Continued from page 36

was his graduation from the sandlots!

Lots of difference, too, from the many afternoons of practice with the team. As they ran out on the diamond to warm up, there was a rousing concentrated cheer from the hundreds of fans as they rose to their feet in the packed stands.

For just a moment, Fred paused, taking in the magnitude of all the noise and cheering from the happy, excited fans. He smiled nervously and suddenly, the beat of his own heart seemed to swell and become as loud as the rest of the scene.

"Come on, Harris—stop day-dreaming and get moving!"

Fred came to life. Realizing he had been holding the ball, he started pegging it to "Chuck" Lewis, trying to loosen up and be ready for the real action.

Several minutes later, the game started, and as he sat on the bench, awaiting his turn at bat, Fred abruptly realized, that despite all the warm-up exercise, he still seemed tensed and much too excited. He scarcely was aware when his turn at bat came up. Startled, he jumped to his feet and took his stance in the batter's box. Only then did he realize that there was a player on second.

In consternation, he realized, too, that since he was the fourth man up in batting order—and there was only one man on base—two men were already out! A quick glance at the scoreboard verified this. The game was still scoreless. Fred reproached himself. It was as though he had been sound asleep for several minutes, suddenly awakening to the situation.

"S-T-R-I-K-E O-N-E!"

Fred jumped. He had scarcely seen the ball streaking his way. When he had, it was too late—and though it shot over the plate just about waist-high, he had seemed powerless to do anything about it. Setting his feet wider apart, he waited for the pitcher to wind up and deliver the next. "Just takes one," he gritted.

There it came . . . another straight fast one. And again, Fred blinked in astonishment as the umpire tolled, "Strike!"

The stands trembled with the shouting and the yelling, and all at once, Fred's legs seemed to turn to rubber and he felt weak all over. Perspiration ran down his face and into his eyes, and his hands gripped the bat even tighter. Through a haze, he saw the fast, curving arc the ball made as it sped his way for the third time. And even as he managed to swing, he knew again it was too late. Numbly, the umpire's words struck against his dulled senses: "Strike three—out!"

As though stunned, he heard, too, the hoots and cries of derision that were hurled his way from the jammed stands. He even managed to catch some of the words. "Take him out!" and "Where did he learn to play baseball?" and 'Watch him—he swings like he's swatting flies!" were just some of them. As he ran out to his position in right field, he heard, too, the remarks some of his teammates cast his way. 'Where's all that old steam, Harris?" Les Burton razzed. "Why, I thought you were a real hot hitter!"

"Yeah," retorted Bob Powell, Newville's stocky, freckled-faced catcher. "In practice, he is. But in a real game—that's another story!"

In humiliation, Fred took his position in right field. His face burned with embarrassment and shame, and the perspiration still streamed down into his eyes. He wiped at them repeatedly, but still the haze persisted. And now, with the first Bailey High man at bat, the crowds in the stands had seemingly forgotten their merciless razzing of Fred's abject failure at bat. Fred couldn't forget. It was still as though their encouragement to the man now at bat was more derision tossed at him. He glanced at his own teammates. They too, now, seemingly had forgotten him, intent only upon stopping the team now at bat.

Watching Les Burton's confident pitching, Fred was as one fascinated.

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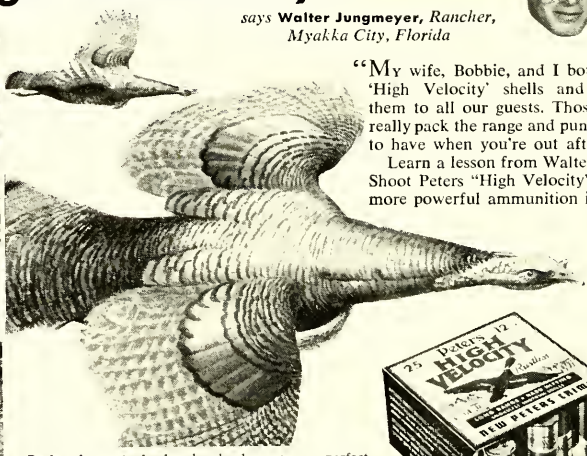
"...gets tough with turkeys"

says **Walter Jungmeyer,** *Rancher, Myakka City, Florida*

"Every shot counts when the turkey season is open down here in Florida. We've got good cover for wild turkeys on my 10,000-acre ranch and have had quite a lot of experience with these wary game birds."



"My wife, Bobbie, and I both use Peters 'High Velocity' shells and recommend them to all our guests. Those blue shells really pack the range and punch you've got to have when you're out after gobblers."

Learn a lesson from Walter Jungmeyer. Shoot Peters "High Velocity"—there's no more powerful ammunition in the world!

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DU PONT

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The Newville High hurler didn't allow a single hit. In order, one after the other, three batters stepped up to the plate, and each in turn, struck out. It seemed he had underestimated Burton, Fred told himself as he trotted in off the field. Despite his way, Les was a top-notch pitcher, and he certainly was off to a fine start. Coach Dalby nodded approval as Burton sat on the bench beside him. "Nice pitching, Burton; keep it up."

As the game wore on, Fred's discomfiture grew and increased by the inning. It seemed as if the first embarrassing inning had been a pattern for him—just one long, continuous, baffling pattern of errors, bad judgments, and striking out. It seemed that if he wasn't striking out, he was missing a fly ball that any twelve-year-old could have plucked from the air with ease. The closest he came to hitting the ball was a tipped foul that the catcher had taken without effort.

Somehow, the game ended, but not too soon for Fred. Still dazed, still upset, and still hurt, he read the scoreboard unbelievingly. For a team that wasn't rated very highly, Bailey High had held the victorious Newville team to a close four to three score.

In heavy silence, Fred left the field, following the others at a distance. Gone now was his early elation and the exuberance he had felt just before the game. Looking around the strangely silent locker room, he knew that he hadn't helped one bit in earning the close, unsatisfying victory Newville had worked so tediously for. Sullen looks were cast his way, and though for the most part, nothing was spoken concerning his action, the air was heavy with the implied thoughts everyone there must have been thinking, Fred reasoned miserably.

During the night that followed and the next morning, Fred had time to do a lot of thinking on his own, and that afternoon, during a break in the practice, he strode over to where the coach stood, watching the action.

"Coach Dalby?"

"Yes, Harris—what is it?"

"I-I'd like to resign from the team, sir," Fred said hesitatingly.

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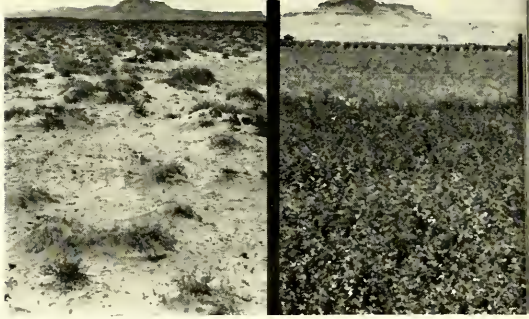

One season of much-needed irrigation helped put this lush crop of alfalfa and grain on once-barren soil.

before *after*

Do You NEED Irrigation?

IRRIGATION has been known to boost yields and increase income beyond a farmer's wildest dreams.

But it doesn't always pay. Moisture alone won't insure high yields from any crop. Know-how and experience are other essentials for top-dollar farming. Besides, irrigation isn't always practical or necessary. Before investing in costly equipment, any farmer should ask himself, do I really *need* irrigation?

Here's one way to answer it. A workable formula developed by a Kansas irrigation engineer makes it simple. He says field crops under irrigation must gross at least $100 an acre to justify the added expense. Further, crops must produce high yields of good quality by responding well to fertilizer, close planting, and a lot of good irrigation management.

That's a real mouthful of advice. But it boils down to this. Crops not adapted to intensive farming are not good irrigation bets. In order to utilize any added irrigation yields, you'll need good markets. To get them, you may need roadside stands for added volume, plenty of storage for non-perishables, and a contract with a reputable processor or marketing association.

For profitable irrigation, you'll likely need extra mechanical and processing equipment with some crops. Utilization of the entire growing season is a must for top profits, as is the use of a proper irrigation system.

That final point deserves plenty of thought. A recent study in Georgia reveals some 60 percent of surveyed farmers dissatisfied with their current system for either present or desired use. About the same percentage also indicates an inadequate water supply.

So, plan ahead. Look into the future and examine probable needs for a few years hence. Then if you really NEED an irrigation system, ask your local Soil Conservation Service technician or vo-ag teacher for help.

That is, if you're prepared to meet the *costs* of irrigating. Expenses vary with different systems and water supplies. Average investment per unit is $6,714 in the Georgia study, or about $112 for each acre watered.

That's a sizable chunk of anybody's money. But don't let it throw you yet. Your situation may cost even *more* or considerably *less*. Smaller irrigation systems tend to be more expensive. Those built to water less than 20 acres average $400 an acre, while systems built for 200-acre farms cost only $70 an acre.

Source of water also makes a big difference in costs. Farmers using ponds often find about one-fourth of their total expenses tied up in supply investment. One commercial firm estimates the cost of a 130-foot well at $1,900, with a pump and motor adding another $3,150.

"Operation costs" represent another sizable outlay. Depreciation in Georgia averages about $600.77 per system; repairs and maintenance, $198.09; and taxes and insurance about $10.81. That's $941.42 of *fixed* costs per system or $15.77 per acre. Variable operation costs total only $26.10 per acre, including labor, fuel, and oil.

But profits are high on farms where irrigation is needed and properly managed.

Gross tobacco sales were increased by $501 per acre in Georgia. After deducting $4 per acre for additional fertilizer costs; $59 for additional harvesting, curing, and marketing costs; and $62 for application costs of five inches of water, Georgia tobacco farmers had a net return to irrigation of $376 per acre. But, other crops didn't fare so well. Peanuts, cotton, and corn returned a $39 net from irrigation. Forage crops returned $114 and truck crops $163. Tree fruits returned a whopping net of $533, but extra high fruit prices prevailed during this study.

Pasture irrigation isn't always profitable either, but 12 dairy cattle pastures showed a net return of $94 an acre and eight beef cattle pastures returned about $52.

Remember, irrigation is a valuable farm tool only if you need it. This study places the average cost of applying one acre inch of water, without regard to size of irrigation system, at $12.29. It may or may not be that high for your situation, but it *is* an active figure and might well be used as a "thumb rule" in your future plans.

◆◆◆

Sprinkler system at left is one of several irrigation methods. There's a right system for every farm. Packer wheels, center, compact the loose soil in new irrigation ditches to prevent excessive silt losses. Such costs as lining ditches with concrete, right, can boost irrigation costs to $112 for each acre watered.

USDA Photos

The coach's eyebrows lifted. "Resign?" he asked. "But why, Harris? I thought you were crazy about the game."

"I do, sir—very much, but after yesterday . . . well, I . . . well, you saw what happened. I wouldn't be helping the team by staying on—even if you'd let me."

"Yesterday?" To Fred's amazement, the coach seemed to know not what he was referring to. "Oh, you mean your poor showing at the bat?" Fred nodded uncomfortably. "Forget it, Fred. I expected no more during your first game. I notice you're hitting excellently today."

"That's just it, Coach. In practice, I do all right. But just put me in a real game—with all those fans yelling and shouting—and well—"

The coach, mysteriously, smiled easily. "And you get 'stage fright'—right? You tense up and then everything seems to go wrong?" As Fred again nodded, he added, "It's common enough, Fred. You try too hard, that's all. Now, forget about resigning and get back out there and practice. And, next game, just remember this; relax and just pretend you're at practice. Just forget the fans even exist. You'll do all right. You'll see."

The following week—as the important game between Carson High and Newville got under way—Fred still recalled the coach's words. And the more he remembered them, the more mystified he became. The coach had dismissed the whole affair so casually, Fred even began to wonder if he had any real interest in the team's standing or not. It didn't seem so, he thought.

The visiting Carson High team took an early lead of two runs. And Fred, coming to bat in the second inning, tensed and again felt the tension and doubt creep into him. As he expected, he struck out cleanly — three clean misses, that had it been in a practice game would have been anything but misses. The dark looks that the team gave him reflected his own feelings of utter dejection and frustration.

The game progressed, the score remaining the same. Despite several hits by his team, Newville remained scoreless. Once, even Fred made it to first —on a walk. That, too, was anything but a victory, he told himself. It hadn't been because of his ability to eall them. The shouting of the crowd had so terrified him that he had simply frozen there, immobile . . . and the wildness of the opposing pitcher simply gave him the walk. But then, the side had retired before he could profit by this break.

It was during the eighth that a situation arose that left Fred cold with dread. He picked up the bat and stood, tensed. Two men were on bases—one at first, another at third. And two

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men were out! As he stepped forward, the moan of despair that went up from the spectators might well have been one he himself had uttered. They knew him! And strike out now, and the game will be ended. Once again, Fred began perspiring nervously. He watched grimly. There it came—low—but straight across the plate.

"Strike!"

In desperation, Fred glanced at Newville's coach. The coach smiled, seemingly unconcerned. Puzzled at the coach's seeming indifference, he recalled his words: "Relax. Just pretend you're at practice. Just forget the fans even exist." Suddenly, it seemed to Fred, he was forgetting about them. As during practice, things seemed deadly quiet as he waited. He relaxed a little. Grimly, he saw the ball leave the pitcher's hand. He waited; then, pretending he was practicing on some sandlot, he swung with all his might.

C-R-A-C-K-K-K

The white sphere rocketed from the bat like a shot, leaving Fred's fingers tingling, and even as he dropped the bat and started running, he knew he could take his time. The ball was on its way—like the flight of a startled bird—over the high fence at the fringes of the diamond. In pursuit of the men on third and first, he followed across home plate, amid the wildest ovation he had ever heard emerge from the spectators. The face of the opposing pitcher was a mask of disbelief, as were the ones of most of his own team who, nevertheless, surged forward to grip his hand.

Newville High retained the one run lead, and several minutes later, the game ended at three to two. Still confused, dazed and scarcely believing what had happened, Fred was carried on the shoulders of his teammates to the lockers. There, Les Burton offered his hand. "Nice going, Fred," he said.

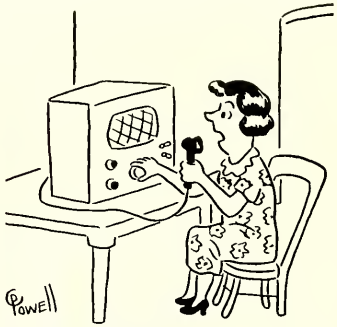
Coach Dalby came up. "Good work, Fred. I knew you'd beat it—that 'stage fright,' I mean."

Fred nodded. "One thing I can't understand, Coach," he said. "It all seemed so casual to you—almost as though it were unimportant."

Coach Dalby laughed. "I intended it that way, Fred. If I had told you that I, the team, and the school all depended on you to come through, it'd been like increasing the load already on your shoulders. You'd become even more tense and nervous. That's why I tried the casual approach, hoping that if it didn't seem too important, maybe you could shake the tenseness and hit like the batter you are. And you certainly did today. But don't you ever think I wasn't right with you out there. Why, I aged five years between that first strike and that home run—despite that silly grin of indifference I managed to turn your way!"

Fred laughed. "You know, Coach, you were right . . . I mean about pretending that the fans just weren't there.

Coach Dalby's eyes were thoughtful. He nodded. "Listen closely to those fans, Fred," he then said. "They'll tell you what kind of ballplayer you are." He slapped Fred on the shoulder and strode away, leaving a happy, contented Fred staring after him. ◆◆◆



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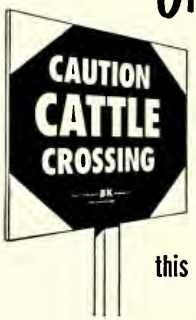

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FARM CENSUS THIS FALL

THIS IS THE YEAR of the farm census. Start updating all records and recheck inventory of your livestock and machinery.

Census takers will visit every farm in the United States during October and November to obtain livestock and crop production information. Questionnaires will be mailed to all farmers about a week before the canvassing begins.

Do you know how many one-year-old animals are on your farm? How many two-year-old males and females? How much of your income comes from poultry sales? How many lambs will be shorn?

That's the type questions your local census taker will ask. And you'll be doing a big favor for yourself and the rest of the country by having really accurate answers.

Information from America's 4,700,000 farms will be fed into tabulating machines. Totals and resulting statistical information will help influence new farm legislation, assist industrial firms in determining output, and form the basis for activities of the farm organizations.

Economists will use the statistics to predict future trends and analyze past records. Instructors and communications workers will evaluate the census figures during their daily work.

But the success of the operation, described as the largest agricultural statistical project of this decade, depends on the farmer. It will take a little time to prepare answers for some of the questions, but will be well worth the trouble.

The entire fie'd of agriculture will utilize the fruits of this 17th census until the next project, scheduled for 1964. All information provided by farmers is held in strict confidence. No tax or investigative agency will ever see individual results. Only the county, state, and national *totals* are made public.

Every census taker or "enumerator" will be a local resident, a person already acquainted with the people in his area. But each will receive special training before the census gets underway.

If you want to have a sound basis for meeting tomorrow's farming problems co-operate with the 1959 CENSUS OF AGRICULTURE—you'll be glad you did.

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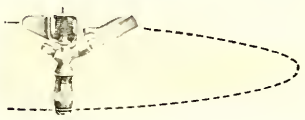

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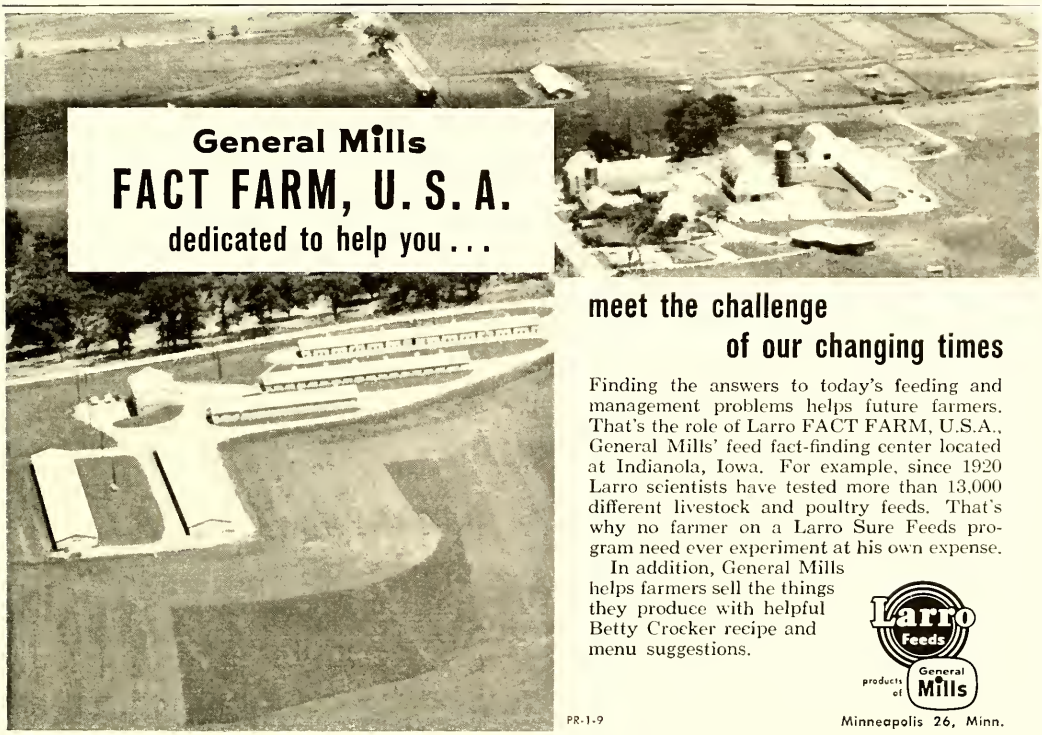

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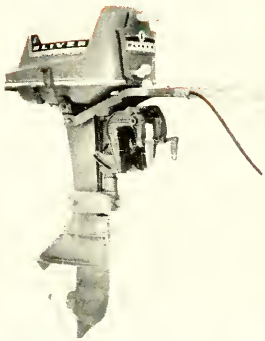

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CLASSES

1. Largest fish—Each fish will be judged on the basis of how close it comes to the record catch of its own species.
2. Catfish—The largest catfish caught regardless of specie. (Not eligible to compete in class one.)
3. The greatest total **weight** of pan fish caught in any one day. (A pan fish is a small fish suitable for frying whole.)
4. The greatest **number** of pan fish caught in any one day.

CONTEST RULES

1. Anyone can enter the fishing contest if he is under 21 years of age at the time he catches the fish.
2. Your fish must be caught between April 1 and September 2, 1959. Your entry must be postmarked not later than midnight, September 2, 1959.
3. Your fish may be caught in the waters of the United States or its possessions, or in the waters of Canada or Mexico. You must comply with the fishing laws of the place where you catch your entry.
4. You must catch the fish yourself unassisted, but they can be caught with any kind of pole, rod, reel, or line and on any kind of lure or bait. (Trotline not accepted.)
5. You must submit a close-up side view photograph of your entry if it is a smallmouth bass, pickerel, or walleye. For others a photo is not required but we would like to have one.
6. Each contestant will be eligible to win one prize only (except in the case of the grand prize) though he may submit as many entries as desired. In the event someone submits more than one entry, the top place entry will be considered.
7. In case of ties, the one with the earliest postmark will be declared the winner. Judges are the staff of THE NATIONAL FUTURE FARMER, and decisions of the judges will be final. Entries cannot be acknowledged or returned. Winners will be announced in the October-November issue of THE NATIONAL FUTURE FARMER.

ENTRY BLANK

The National FUTURE FARMER Fishing Contest

Your entry must be postmarked not later than September 2, 1959!

PLEASE PRINT

1. If entering Class 1 or 2 fill in this part:

   Kind of fish ..... Weight: lbs. ..... ozs. ..... length .....
   (Exact name: whether trout is Brook, Rainbow, Lake; bass is largemouth, smallmouth, etc.)

   If entering Class 3 or 4, fill in this part:

   Weight of fish ..... lbs. ..... ozs.; Number of fish caught .....

2. Where caught ..... Date caught .....

   Caught in fresh water .....; Salt water .....

3. Caught with: Rod & Reel .....; Spinning Rod .....; Fly Rod .....; Other .....

4. Caught by: (Your name) ..... Age .....

   Address: ..... City ..... State .....

5. Signature of parent or ag teacher .....

Your ag teacher or parent must affirm your entry by signing it. They do not have to see you catch the fish, but must see the fish. They must certify the kind, weight, and length of your fish; or in the case of the pan fish classes, must certify the number or weight of your catch.

Mail entry to Fishing Contest, THE NATIONAL FUTURE FARMER, Box 29, Alexandria, Virginia.

Young Farmers BOOKSHELF

This is your special reader service. If you can't find these books at your local book store, order directly from the publishers listed below. Be sure to send your name and address along with remittance. Mention *The National FUTURE FARMER* in your order.

Handyman's Carpentry Guide (Arco Publishing Company, 480 Lexington Avenue, New York 17, N. Y., price $2)—An ideal reference for the do-it-yourself fan. Helpful tips on tools, building materials, and craftsmanship. Discusses interior projects, exterior carpentry, and home improvements.

World Wide Summer Placement (Advancement and Placement Institute, Box 99, Station G, Brooklyn 22, N. Y.; price $3)—Here is a directory of up-to-date summer jobs, projects, and awards. Includes jobs with regular wages; unusual, expense-paid projects; and other positions. Opportunities to earn while you learn open to teachers, college students, and high school seniors.

Selling Purebreds for Profit (Holstein-Friesian World, Inc., Lacona, N. Y.; price $6)—This book can mean money in your pocket. It is an excellent guide for advertising the dairy herd and farm, regardless of your breed choice. Profitable hints on selling, auctions, and showing. If you ever have considered advertising your farm in any manner, see this book. It's a valuable tool for veteran dairymen as well as amateurs.

How To Be Accepted by the College of Your Choice (Channel Press, Great Neck, L. I., New York; price $3.95)—Thinking about college? Wondering about application forms, recommendations, quota systems, extracurricular activities, and personal visits? Here are simple, concise answers to most common problems along with sample application forms. There's also a list of many colleges with a brief of their basic requirements.

Your Savings and Investment Dollar (Household Finance Corporation, c/o Money Management, Presidential Plaza, Chicago 1, Illinois; price 10c)—Tells how to establish short and long-range goals involving use of money. Realizing that each family is a special case, the authors offer no sure-fire formula for saving or income management. But it is a good explanation of banks, bonds, insurance, stocks, and education funds. You'll be money ahead with this one.

By Stan Allen

WARREN SPAHN, veteran 38-year-old southpaw hurler, has long been the mainstay of the National League champion Milwaukee Braves' mound staff. He's considered one of the best pitchers in baseball today.

Spahn was born in Buffalo, New York, where he received his early baseball lessons. He had a private tutor right at home, as his father had been a semi-pro third baseman. After an outstanding high school career, Spahn received a scholarship offer from Cornell. At the same time, he was approached by Bill Myer, scout of the old Boston Braves. Economics played the biggest part in his baseball decision.

He played with Bradford in the 1940 Pony League, winning five of 12 games, with 62 strikeouts. He began to catch on in '41, posting 19 wins against six losses, with a 1.83 earned run average. After another fine season with Hartford, the Braves called Spahn for four games of the '42 season.

Spahn's baseball career was postponed for military service during the '43, '44, and '45 seasons. In typical Spahn style, he compiled an outstanding record with the U. S. Army Combat Engineers. Going in as a private, he worked up to staff sergeant and then received a battlefield commission. He was decorated with a Silver Star and a Purple Heart.

Joining the Braves again in 1946, he appeared in 24 games, won eight, lost five, and posted a 2.93 ERA. Really rolling in '47, Spahn was in 40 games, posting a record of 21 wins against 10 losses. He has posted at least 20 wins a year in all but three seasons since 1947, a record for major league southpaws. In fact, only three hurlers have amassed more 20-game seasons. He has led the National League three times in games won and has tied twice.

Wide World Photos

Warren Spahn, the Braves' Southpaw

You could call 1952 his worst season, the Braves' last year in Boston. Posting 14 wins against 19 losses, he still had a fine 2.98 ERA. Six of those losses were by one run. In two consecutive games, he struck out 29 batters for a National League record, losing both games three to one.

With the Braves in Milwaukee, Spahn enjoyed one of his best seasons in 1953, with 23 wins against seven losses. His 148 strikeouts that season topped any active major leaguer, and he has averaged over 110 per year in the last 12 seasons. Although he has not yet hurled a no-hitter, Spahn claims two one-hitters. His 43 shutouts is a National League southpaw record.

Early in the '58 season, many thought Spahn's 37 years would slow him. But he had another top season, starting 38 games, completing 23, and pitching 290 innings. These last two marks were league tops for '58. He tied for the games won mark with 22, and recorded 150 strikeouts. This season's performance won the Milwaukee Baseball Writers' title of the "Braves' Most Valuable Player." Spahn's .333 batting average last season was second in the league for a pitcher. Few fans know Spahn holds the all-time National League pitcher's home run record with 21 circuits.

Now in his fifteenth major league season, Spahn's fast ball lacks the old zip. His money pitches now are an assortment of sharp-breaking curves, screwballs, change-ups, and good sliders. He also has an uncanny memory for a batter's weakness; and his pick-off motion is tops. Remember his brilliant two-hit, three to nothing shutout over the New York Yankees in the 1958 World Series?

Warren Spahn owns the 1957 *Sporting News*' Cy Young Award as "Pitcher of the Year" and has been named "Top National League Pitcher" by *Sporting News* three times. He is the first National League lefthander to win 200 games since Carl Hubbel won 246. He is the only active major league pitcher to near the 300 mark. Voted to 11 All-Star Teams, he has scored four World Series wins.

At 38, it's hard to say how long Spahn can keep winning. But another of his awards last year was a registered Hereford bull, presented by the Oklahoma Hereford Association during the American Royal in Kansas City, adding to a growing herd on his 1,500-acre Diamond Star Ranch in Hartshorne, Oklahoma. Some day he will swap the title of "Mr. Baseball" for "Mr. Rancher."

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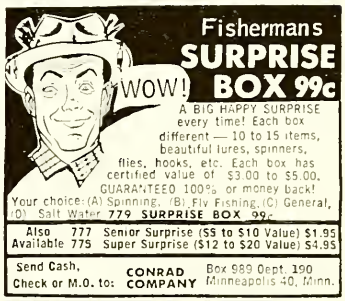
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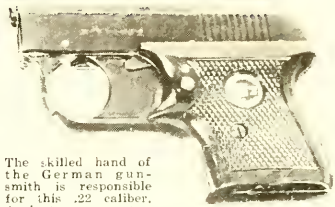

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The First One Doesn't Have A Chance!

Teacher: *"Tommy, what are you doing?"*

Tommy: *"Nothing! With you and Mama and God and Santa Claus watching me all the time, what can I do?"*

Steven Adams
Max Meadows, Virginia

A census taker stopped at a little old shack in Tennessee whereupon a little girl came to the door.

"My father is in jail, my mother is in the poorhouse, my sister is in the workhouse, and my brother is at the state university."

"What's your brother studying?" the startled man asked.

"Oh, he's not studying anything; they're studying him," she replied.

Emory McCombs
Delaware, Ohio

The cocky young salesman waited long for a bus on a hot day. When it finally pulled in, he remarked to the driver, *"Well, howdy, Noah. You made it. Is the ark full?"*

No, sir," replied the driver. *"We've got room for another monkey. Step aboard."*

Bill Reimers
Palmer, Nebraska

First Cannibal: *"What's the book you're reading?"*

Second Cannibal: *It's very interesting; it's called, 'How to Serve Your Fellow Man'."*

Kenneth Mahoney
Montague, Michigan

The school was going to have a boxing team and a lot of young fellows tried out for it. Some were good, and some were not so good. One of the not-so-goods, after trying hard for a couple of rounds, said hopefully, *"Have I done him any damage?"*

"No," said the disgusted coach. *"But keep on swinging, the draft may give him a cold."*

Melvin Coburn
Stafford, Vermont

Math teacher: *"If the average automobile is ten feet long, and if a million autos were placed end-to-end . . . ."*

Student (interrupting): *"I know the answer. It would be Sunday afternoon."*

Harold Todd
Loris, South Carolina

Guide who has lost his way to disgruntled hunter: *"I'm the best guide in Maine, only I think we are in Canada now."*

Larry Carpenter
Limestone, Maine

John: *"Did you hear they aren't selling soda pop at the baseball games anymore?"*

Bob: *"No, why?"*

John: *"Because the Indians lost the opener."*

(No Name)

Whoever sent in the above joke forgot to sign his name. If he will send it to us, we shall be glad to send him his dollar. Please try to remember to sign your name when you send in jokes.

"Doing a bit of blasting, Waldo?"

Every year the Saskatchewan, Canada, farmer complained about the crops and weather: it was too wet or too dry; there were too many weeds, or not enough wheat; there was no market, or prices were down.

But a year came when he got a huge bumper crop; prices were soaring; and his bank account was bulging.

"Pretty good year, you have to admit," a neighbor commented.

"Middling," he allowed, *"but terrible hard on the soil."*

Mary Byrd Hall
Snowville, Virginia

. . . And then there was the agricultural student who was voted by his class as the kid most likely to "sack seed."

Keith Kelton
Salem, South Dakota

Lonely baby chick taking a look around the electric incubator full of unhatched eggs.

"Well, it looks as if I'll be an only child. Mother has blown a fuse."

John Florence
Alta Vista, Kansas

Bachelor: *"Kipling said that a woman is just a rag and a bone and a hank of hair."*

Groom: *"Oh! Brother . . . shake hands with the happiest junk dealer in town."*

Donald Vannoy, Jr.
South Vienna, Ohio

Gunman: *"Get ready to die, I'm going to shoot you."*

Man: *"Why?"*

Gunman: *"I've always said anyone who looks like me, I would shoot."*

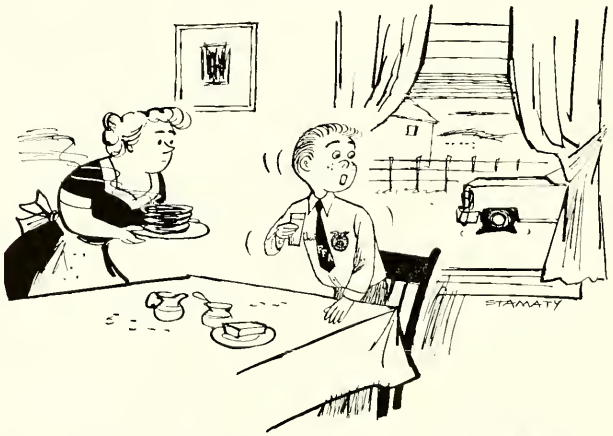
Man: *"Do I look like you?"*

Gunman: *"Yes."*

Man: *"Then shoot!"*

Jimmy Palmer
Hazelton, Idaho

Charlie, the Green Hand



"I think I have time to catch the school bus, after all, Mom."

Why wait for weather?

With a JOHN DEERE DRYER you can profit more by harvesting early

"Free" natural field drying of corn can cost you 10 bushels an acre—some years, much more. Why gamble on it, when you can have sunshine at the touch of a button?

With a John Deere 458 Grain Dryer, you can field-shell weeks early . . . grow milo with confidence . . . profit more *every year* through bigger yields, better market prices, safer storage, and custom work.

To save your crop you can't buy a better dryer. Proved in a full season's use, the 458 is unmatched for thorough, even drying of shelled corn, grain sorghum, soybeans, wheat, and oats. Exclusive blending baffles mix the grain so well that conveyors need operate only part time. No hot spots or wet pockets to scorch or spoil.

Your John Deere dealer will be glad to show you other features—simple control with indicator-light guidance . . . electronic flame safeguard system . . . clean LP-Gas fuel . . . 115-volt control . . . PTO drive by any 3-plow tractor . . . 400-bushel size . . . ample capacity to process your crop quickly yet safely . . . unmatched efficiency of fan and burner. See your John Deere dealer soon. You'll want to get full information on modern credit terms, too.

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Please send free illustrated booklet on ☐ 458 Grain Dryer
☐ John Deere Credit Plan.

*Name*_____

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*Town*_____

*State*_____

JOHN DEERE

"WHEREVER CROPS GROW, THERE'S A GROWING DEMAND FOR JOHN DEERE FARM EQUIPMENT"

THE PROOF IS "IN THE BAG"

Model 90 saves owner 36.9 bonus bushels worth $73.80 extra

During the 1958 soybean harvest, two combines, both late PTO models of similar size, each harvesting two rows at a time — were checked for bushels combined, time required and fuel used.

One was a Model 90 ALL-CROP Harvester; the other a competitive make. Both were owned by experienced farmers. Working side by side in the same field, each harvested a measured 18 acres, exchanging lands halfway through the test to equalize any difference in yield of soybeans.

Here are the results:

The Allis-Chalmers Model 90 . . .

. . . saved 36.9 more bushels of beans from its 18 acres. (Pictured above.)

. . . finished in 5 hours, 48 minutes — 1 hour and 37 minutes sooner — a full 20 percent less time.

. . . was powered by an Allis-Chalmers D-14 Tractor which used 2½ less gallons of fuel than the competing tractor.

Here is field proof . . . why Allis-Chalmers is a great and trusted name in harvesting! New corn head attachment is available too — quickly converts Allis-Chalmers combines for field shelling. See your Allis-Chalmers dealer now.

ALLIS-CHALMERS, FARM EQUIPMENT DIVISION, MILWAUKEE 1, WISCONSIN

ALLIS-CHALMERS

Listen! *National Farm and Home Hour — Every Saturday — NBC.*

ALL-CROP is an Allis-Chalmers trademark.

Ask your dealer about the Allis-Chalmers plan to finance your time purchase of farm equipment.